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# भारत का राजपत्र

## The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 8] नई विल्ली, शनिवार, फरवरी 22, 1992 (फाल्गुन 3, 1913)

No. 8] NEW DELHI, SATURDAY, FEBRUARY 22, 1992 (PHALGUNA 3, 1913)

इस भाग में भिन्न पृष्ठ संलग्न दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

### भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta the 22nd February 1992

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The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

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Patent Office Branch, Unit No. 401 to 405, III Floor, Municipal Marketing Building, Saraswati Marg, Karol Bagh, New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC"

Patent Office Branch, 61, Wallajah Road, Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu, and the Union Territories of Pondicherry, Mahe, Yanam and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office), "NIZAM PALACE" 2nd M.S.O. Building, 5th, 6th and 7th Floor, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय  
एकस्व तथा अभिकल्प  
कलकत्ता, दिनांक 22 फरवरी 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार  
पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवधित है तथा  
बम्बई, किली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके  
प्रादेशिक क्षेत्राधिकार जोग के आधार पर निम्न रूप में प्रदर्शित  
हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेंट  
तीसरा तल, लोअर परेल (पश्चिम),  
बम्बई-400013  
गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
दिव्य एवं बांदरा और नगर नवली ।

तार पता—“पेटेंटिफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा नल  
नगरपालिका दाजार भवन,  
मरस्यती मार्ग, करोल बाग,  
नड़ी दिल्ली-110005

त्रिरियाणा, हिंसाचन प्रदेश, जम्म तथा कश्मीर  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र नैनीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिक”

पेटेंट कार्यालय शाखा,  
61, वालाजाह रोड,  
मद्रास-600002

आन्ध्र प्रदेश, कर्नाटक, करेल, तमिलनाडु, राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डुचेरी, लक्षद्वीप  
मिनिकाय तथा एमिनिकिय द्वीप ।

तार पता—“पेटोफिम”

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड  
कलकत्ता-700020

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंटस”

पेटेंट अधिनियम, 1970 या ऐटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनायें, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपर्युक्त कार्यालय में ही प्राप्त किए जायेंगे ।

शुल्क :—शुल्कों की अवधिगी या तो नकद की जाएगी अथवा  
उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा  
दाक डाइड या जहां उपर्युक्त कार्यालय अवस्थित है; उस स्थान के  
अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक डाफट अथवा  
बैंक बूकारा की जा सकती है ।

14th January 1992

24/Cal/92 LAUSITZER BRAUNKOHLE AKTIENGESELLSCHAFT. DRAIN ELEMENT FOR WELL MAKING AND MANUFACTURING TECHNOLOGIES.

25/Cal/92 HOECHST AKTIENGESELLSCHAFT. PROCESS FOR THE PREPARATION OF 4-ALKYL-SULFONYL-1-ALKYL-2-CHLOROBENZENES AND SIMILAR COMPOUNDS.

26/Cal/92 WINAMAC SPRING COMPANY, INC. DUAL-STAGE TAPERED LEAF SPRING FOR A TRAILER.

27/Cal/92 LUNAR CORPORATION. METHODS FOR PREPARATION AND USE OF 1<sub>α</sub>, 24 DIHYDROXY VITAMIN D<sub>2</sub> COMPOUNDS.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III RD FLOOR, KAROL BAGH, NEW DELHI-110005.

25th November 1991

1146/Del/91 Richardson-Vicks, Inc, “Gen type compositions having improved oil control”.

1147/Del/91 Whirlpool Corporation, “An automatic washer”. [Divisional date 18th July, 88].

1148/Del/91 Ehsan Ullah Siddiqui, “An air cooler”.

1149/Del/91 Shriram Institute for Industrial Research, “A polymer alloy”.

1150/Del/91 Shriram Institute for Industrial Research, “A polymer alloy”.

The dates shown in the crescent brackets are the dates claimed Under Section 135, of the Patents Act 1970.  
10th January 1992  
17/Cal/92 TRICO-FOLBERTH LIMITED. WINDSCREEN WIPER BLADE ARRANGEMENT.  
18/Cal/92 ARMCO STEEL COMPANY. MENISCUS COATING STEEL STRIP.

13th January 1992

19/Cal/92 DAEWOO ELECTRONICS CO. LTD. FRAME ASSEMBLY FOR A DUAL-TUBE TYPE WASHING MACHINE.  
20/Cal/92 HOECHST AKTIENGESELLSCHAFT. AQUEOUS SUSPENSIONS OF PEROXYCARBOXYLIC ACIDS.  
21/Cal/92 ABB-HENSCHEL WAGGON UNION GMBH. RAILWAY GOODS WAGON.  
22/Cal/92 ABB LUMMUS CREST INC., MEMBRANE SEPARATION PROCESS FOR CRACKED GASES.  
23/Cal/92 DURAIRAJ RAJAN AVINASH. PORTABLE GAS LEAK DETECTOR FOR LPG CYLINDERS.

1151/Del/91 Shriram Institute for Industrial Research, "A polymer alloy".

1152/Del/91 Jagdish C. Mangla, "A pacemaker stimulating member for use in the ailment of obesity".

1153/Del/91 Gec Aisthom S.A., "Base of housing arrangement for high voltage equipment gas insulated in a metal housing in particular equipment for connecting cables".

1154/Del/91 Aktiebolaget Astra, "Solid dosage forms of almokalant and processes for manufacture thereof".

1155/Del/91 Honda Giken Kogyo Kabushiki Kaisha, "Power unit for electric vehicle".

26th November 1991

1156/Del/91 Bharat Heavy Electricals Ltd., "Novel in situ grinding fixture for damaged pump barrel".

1157/Del/91 Council of Scientific & Industrial Research, "An improved process for the formation of a mini grouted pile for reinforcement of weak soils".

1158/Del/91 Council of Scientific & Industrial Research, "An improved process for the formation of self setting soil slurry piles".

1159/Del/91 Council of Scientific & Industrial Research, "An improved process for the formation of granular pile for reinforcement of weak soils for the purpose of erecting heavy structures".

1160/Del/91 Rohm & Haas Co., "Low formaldehyde, self-crosslinking polymer latex composition".

1161/Del/91 E.R. Squibb & Sons, Inc., "Indole-and benzimidazole-substituted imidazole and benzimidazole derivatives".

1162/Del/91 Aerospatiale Societe Nationale Industrielle, "Gyrocraft rotor hub body".

27th November 1991

1163/Del/91 Eastman Kodak Co., "Aliphatic-aromatic copolymers and cellulose ester/polymer blends".

1164/Del/91 L'Air Liquide, Societe Anonyme Pour L'Etude Et L'Exploitation Des Procedes Georges Claude, "Process and arrangement for the distillation of air in the production of gaseous oxygen under variable operating conditions".

1165/Del/91 Samsonite Corporation, "Luggage with shoulder strap assembly".

28th November 1991

1166/Del/91 Yakov Safir, "A method of making semiconductor components as well as a solar cell made therefrom".

1167/Del/91 NKT A/S, & Lycom A/S., "A method and apparatus for amplifying an optical signal". (Convention date 30th November, 90) (U.K.).

1168/Del/91 Societe De Conseils De Recherches Et D8 Applications Scientifiques (S.C.R.A.S.), "Osmotic pumps". (Convention date 18th December, 90) (U.K.).

1169/Del/91 Colgate-Palmolive Co., "A method of preparing an oral composition". [Divisional date 21st December, 89].

1170/Del/91 Colgate-Palmolive Co., "A method of preparing an oral composition". [Divisional date 21st December, 89].

1171/Del/91 Colgate-Palmolive Co., "A method of preparing an oral composition". [Divisional date 21st December, 89].

29th November 1991

1172/Del/91 Dharmender Singh, "An improved kerosene gas stove".

1173/Del/91 Ramesh Chander Verma, "Ageing process slowing down (Health care concept/equipments)".

1174/Del/91 The Standard Oil Co., "Activation of catalysts".

1175/Del/91 Hermann Berstorff Maschinenbau GmbH., "A high performance extruder".

1176/Del/91 Arbed S.A., "Hot metal refining process".

**APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13.**

25th November 1991

349/Bom/1991 Kumar Balram Bhatia. An improved constant load indentor probe with a built-in constant load cell for use on ultrasonic hardness testers for metals.

26th November 1991

350/Bom/1991 Jean Marc Tessoriere. A graphitization process and furnace.

27th November 1991

351/Bom/1991 Rajan Bhogate. Improved dot matrix printer ribbon cartridge and method of making the same.

29th November 1991

352/Bom/1991 Balasubramanian and Bhaskar. Folding bicycle.

353/Bom/1991 Kevin Robin Green. A method of building construction.

354/Bom/1991 Kumar Balaram Bhatia. An improved composite indentation hardness tester with built-in base for rubber, and the like substances such as soft or hard plastics and textile wound packages.

2nd December 1991

355/Bom/1991 Samuel Gershon Mazgaonkar. Folding privy-seat assembly.

356/Bom/1991 Narendra Ravil Shah. An apto-electronic weft feeler for use in a weaving power loom to detect yarn exhaustion on a pier in a shuttle.

357/Bom/1991 Hindustan Lever Ltd. Collating apparatus. U.K. 30-11-90 & 19-6-91.

358/Bom/1991 Hindustan Lever Ltd. Tagged articles & method & apparatus for their production. U.K. 30-11-90.

3rd December 1991

359/Bom/1991 Vipin Champsey Shah. A more fuel efficient compression ignition engine.

4th December 1991

360/Bom/1991 Hindustan Lever Ltd. Cosmetic composition. U.K. 4-12-90.

361/Bom/1991 Kailash Murli Khemlani. A storm water drainage system to prevent flooding.

5th December 1991

362/Bom/1991 Kumar Balram Bhatia. A new fully automatic meal cooker.

APPLICATIONS FOR PATENTS FILED IN THE PATENT  
OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-  
600 002.

9th December 1991

902/MAS/91 Hoechst Aktiengesellschaft. Expression of glutaryl acylase.

903/MAS/91 The South India Textile Research Association. An automatic cam mechanism to wind for roll a fixed length of thin material, in multiple packages.

10th December 1991

904/MAS/91 Tecumseh Products Company. Retainer for piston head subassembly and method of retaining piston head subassembly.

905/MAS/91 Novo Nordisk A/S. Nose Pen.

906/MAS/91 C. U. Lighting Ltd., Multi-drum winching apparatus. (December 12, 1990).

907/MAS/91 Seikagaku Kagyo Co., Ltd., Nove polypeptide and anti-HIV agent using the same.

908/MAS/91 Centro Nacional de Investigaciones Cientificas. Pharmaceutical formulations containing a mixture of higher primary aliphatic alcohols in the treatment of hypercholesterolaemia and hyperlipoproteinemia type II and stimulation of sexual behavior in animals and humans.

909/MAS/91 Girivas Viswanath Shet. A method of supplying medicines which are to be kept in reserve and may be used in emergent situations.

910/MAS/91 Hoechst Aktiengesellschaft. A process for the preparation of procaine.

911/MAS/91 Maschinenfabrik Rieter AG. Sliver Drafting Arrangement.

12th December 1991

912/MAS/91 K. Tyagarajan. Improved Security system.

913/MAS/91 A. K. Technical Laboratory, Inc., Bottle with cap.

914/MAS/91 Aumund-Fordererbau GmbH. Clamp connection for a conveyor belt.

915/MAS/91 Saint-Gobain Virtage International. Apparatus for shaping an extruded section by extrusion directly onto the edge of a glass plate.

13th December 1991

916/MAS/91 Jawad Ahmed. An incinerator for used sanitary napkins.

917/MAS/91 Sheila Shri Prakash. An inspection chamber for use in sewage lines.

16th December 1991

918/MAS/91 Dr. Thangadurai Aloysius Raj MD. An improved remote after loading device for treating cancer patients.

919/MAS/91 Southern Petrochemical Industries Corporation Ltd. A novel two stage biomethanation process for treating distillery effluents.

920/MAS/91 Aswanikumar P. R. An improvement in internal combustion engines.

17th December 1991

921/MAS/91 Haldol Topsoc A/S. Process for the preparation of ammonia synthesis gas.

922/MAS/91 Amsted Industries Incorporated. Friction shoe for Railcar truck.

923/MAS/91 Krishnaswamy Naidu Sampath Kumar. Monoblock pumps.

18th December 1991

924/MAS/91 Tampella Power Oy. Process and apparatus for effecting regenerative sulful binding.

925/MAS/91 GTM Entrepose. Spillway for discharging extraordinary floods at dams having at least two floods discharge structures.

926/MAS/91 Casey Medical Products Limited. Surgical clip. (16th January, 1991). (United Kingdom).

927/MAS/91 Mitutoyo Corporation. Combination optical and capacitive absolute position apparatus and method.

23rd December 1991

928/MAS/91 Madurai Gopi "Dried/Dehydrated Food Products and a Method/Process for Manufacturing the same.

929/MAS/91 Pilkington Visioncare Ins., Hydrogel material.

930/MAS/91 Sollac. Control sensor for the secondary cooling of a continuous casting machine, dummy bar equipped with such sensors and method for controlling a continuous casting machine.

931/MAS/91 SMS Schloemann-Siemag Aktiengesellschaft. Cooling device for the pressing tools of an up-setting press and method for operating the cooling device.

24th December 1991

932/MAS/91 (1) Devadoes Joseph Thomas (2) Suresh Ganesan (3) Varadhan Anand and (4) Sivanandham Arun Prakash. A device for recirculating exhaust gases from and to internal combustion engines.

933/MAS/91 (1) Devadoes Joseph Thomas (2) Suresh Ganesan (3) Varadhan Anand (4) Sivanandham Arun Prakash. An exhaust gas reactor provided within an air injection assembly.

934/MAS/91 Travancore Rayons Limited. A process of production of cotton pulp from cotton fibres.

935/MAS/91 Lucas-TVS Limited. A fuel economiser for motor vehicles.

936/MAS/91 Societe des produits Nestle S.A. A process for the production of a flavour-enhanced soluble instant coffee in powder form.

26th December 1991

937/MAS/91 Wacker-Chemie GmbH. Process for the preparation of oximosilicon.

938/MAS/91 Takeda Chemical Industries, Ltd., Stable Agro-chemical Compositions.

27th December 1991

939/MAS/91 Girivas Viswanath Shet. A method of preparing medicated glouze for telephone which are antibacterial.

940/MAS/91 Norton Company. Catalyst carrier.

941/MAS/91 Institute Francais Du Petrole. Novel sulphurized compounds, their preparation and their use as petroleum additives.

942/MAS/91 Mannesmann Aktiengesellschaft. Dummy bar for continuous-casting plants.

943/MAS/91 Ophthalmic Research Group International. Method and apparatus for the production of plastic lenses.

944/MAS/91 Societe des Produits Nestle S.A. A method of preparing chocolate and cocoa products. (Divisional to Patent Application No. 63/MAS/91).

945/MAS/91 Knuenergy Corporation. An improved bin for receiving, storing and discharging bulk solid materials. (October 18, 1988; Canada) (Divisional to Patent Application No. 824/MAS/88).

946/MAS/91 Kinergy Corporation. The activated bin for receiving, storing and discharging bulk solid materials. (October 19, 1988; Canada) (Divisional to Patent Application No. 824/MAS/88).

947/MAS/91 Anglo American Corporation of South Africa Limited. Mineral processing screen separator.

30th December 1991

948/MAS/91 Tirupattur Damodara Rao. Improved iron removal plant.

949/MAS/91 Thirumalai Anandam Pillai Vijayan. An electric floor sweeping device.

950/MAS/91 Harithar Polyfabrics (Prop. Grasim Industries Ltd.) Improvements in or relating to a pump for pumping thick pulp stock.

951/MAS/91 Calipag. Process for mass transfer between liquid and gaseous media.

952/MAS/91 Honda Giken Kogyo Kabushiki Kaisha. Continuously variable transmission for vehicle.

31st December 1991

953/MAS/91 Subramanian, Vaidyanathan. A valve for controlling fluid flow.

954/MAS/91 Dilip Kumbhat. New and useful improvements on single post electrical switches and sockets.

955/MAS/91 The Pall Corporation. A device and method for depletion of the leukocyte content of blood product. (Divisional to Patent Application No. 733/MAS/88).

956/MAS/91 Ragaiy George Habeeb. Air-conditioning device.

3rd January 1992

1/MAS/92 Indian Institute of Technology. A method of preparation of a fluid for use in the flow testing of carburettors.

2/MAS/92 Hoechst Aktiengesellschaft. Novel glycopeptides, a process for their preparation and their use.

3/MAS/92 Institut Francais du Petrole. Two-stroke engine with delayed cylinder scavenging.

#### ALTERATION OF DATE UNDER SECTION—16

170167  
(802/Del/88) Ante dated to February 24, 1986.

170168  
(888/Del/88) Ante dated to January 15, 1986.

170169  
(235/Del/89) Ante dated to July 16, 1986.

170170  
(382/Del/89) Ante dated to July 24, 1986.

170178  
(841/Cal/89) Ante dated to June 22, 1987.

170180  
(105/Cal/90) Ante dated to June 18, 1987.

170188  
(617/Mas 89) Ante dated to February 06, 1986.

170189  
(643/MAS/89) Ante dated to February 19, 1986.

170192  
(658/Mas/87) Ante dated to December 09, 1983.

#### ALTERATION OF DATE U/S 17

170162 Filed on 11 Dec. 1986  
(1091 DEL 86) Post-dated to 18 Apr. 1987.

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kisan Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

#### स्थोक्त सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में स किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोइ व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक एसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियम, एकस्व को एसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ जथा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही काइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए गयीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुलेप हैं।”

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियां, भारत सरकार बूक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय होते यथा समय उपलब्ध होती हैं। प्रत्येक विनिर्देश का मूल्य 2/- रु. है (असिरिक डाक लेई)। मुद्रित विनिर्देश को आपूर्ति होते मात्र तक के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

स्पॉकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई के हाँ साथ विनिर्देशों की टंकित अथवा फोटो प्रतियां की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरांत उसको अवायगी पर को जा सकती है। विनिर्देश की पूर्ण संख्या के साथ प्रत्येक स्थीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl. : 159F

170161

(Claim-1)

Int. Cl. : E 01B 35/00.

Title : A TRACK MONITORING DEVICE.

Applicant : ELECTRONICS COMMISSION A CORPORATE BODY OF GOVERNMENT OF INDIA E WING, PUSHPA BHAVAN, MADINGIR ROAD, NEW DELHI-110062, INDIA.

Inventors : KRISHNA KANT, GULYAM SRINIVASA VARADAN & MUDANBAI RAMAN RAJAGOPALAN.

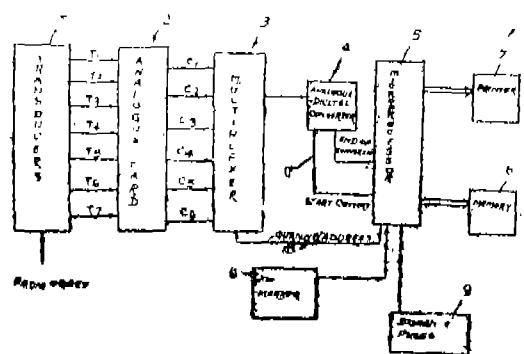
Application for the Patent No. 1046/DEL/86 filed on 1st December, 1986. Post dated to 1st May 1987.

Complete Specification left on 18th July, 1988.

Appropriate office for the opposition proceedings (Rule 4, Patent Rule 1972), Patent office Branch New Delhi-110005.

(Claims-8)

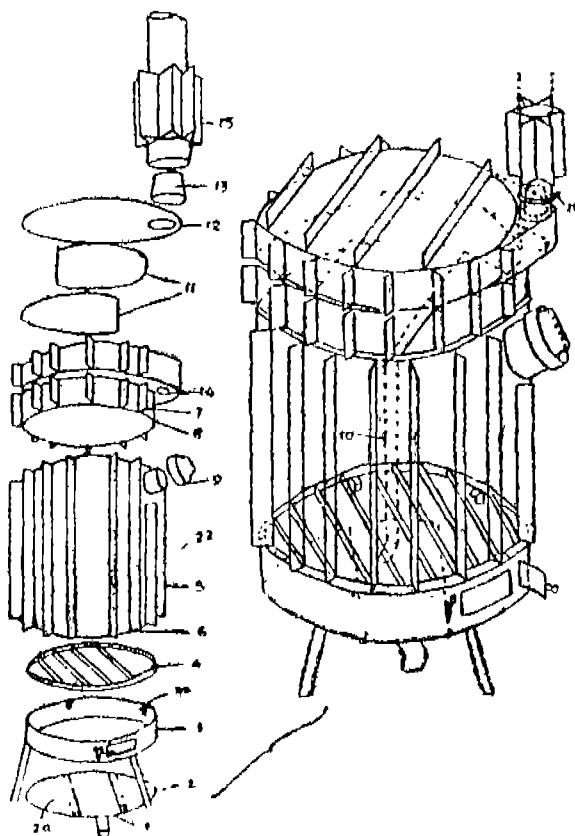
A track monitoring device for use in a rolling stock for determining deformities in the track (1) comprising at least a transducer capable of producing electrical signals representative of track conditions, said transducer or transducers (T) connected to an analogue card (2) and sense deformities in the track beyond a predetermined accepted tolerance, said analogue card (2) connected to an analogue digital convertor (4) through a multiplexer (3) so as to convert analogue signal into digital values representatives of track condition, said analogue digital converter connected to an input terminal of the microprocessor, said multiplexer being connected to an output terminal of said microprocessor to receive channel address from said microprocessor so as to switch on desired channel of the said analogue card to transmitt the analogue signals to the converter.



(Provisional Specification-4 pages

Drawing one sheet)

(Complete Specification-11 pages)



(Provisional Specification 14 pages Drawing sheets 2).

(Complete Specification 16 pages).

Ind. Cl. : 98E.

170162

Int. Cl. : F24D 15/00.

Title : AN IMPROVED SPACE HEATER.

Applicants : TATA ENERGY RESEARCH INSTITUTE, a Society registered under the Indian Societies Registration Act, 1890 with Registered Office at Jeevan Tara Building, Parliament Street, New Delhi-110 001.

Inventor : Ashok Gadgil.

Application No. 1091/DEL/86 filed on 11 Dec. 1986.

Complete Specification left on 17 May 1988 & Post-dated to Apr. 1987.

Appropriate office for the opposition proceedings (Rule 4, Patent Rule 1972), Patent office Branch New Delhi-110005.

Ind. Cl. : 35E.

Int. Cl. : C04B 35/10.

Title : A process of making an improved alumina carbon ramming mass used in the trough and the runner of the blast furnaces.

Applicant : Steel authority of India Ltd., research and development centre for Iron and Steel, a Government of India Enterprise having its registered Office at Ispat Bhavan, Lodhi Road, New Delhi-110003.

Inventors : SWAPAN KUMAR GARAI, NIRMAL KANTI GHOSH, MAHADEO, SUBRATA BARUA, ANUP KUMAR BHATTACHARYA, AJOY KUMAR DASGUPTA AND KRISHNA CHANDRA CHATTERJEE.

Application for Patent No. 1098/DEL/86 filed on 15th December 1986. Complete Specification left on 13th November 1987.

Appropriate office for the opposition proceedings (Rule 4, Patent Rule 1972), Patent office Branch New Delhi-110005.

(Claims-3)

A process of making an improved alumina-carbon ramming mass used in the trough and runner of the blast furnace which process comprises charging 70-85% of calcined bauxite fines of less than 1 mm grain size in a Pan Mixer, mixing the bauxite fines with 10-20% of flake graphite of commercial grade having 90% purity, adding 10-20% of flake graphite of commercial grade having 90% purity, adding 10-20% of liquid tar till the mass attains optimum consistency, adding 5-10% of finely ground extra hard pitch of less than 0.5 mm grain size having softening point of 100-110°C to mix and thoroughly mixing the charge under ambient temperature and normal pressure of atmosphere to obtain the ramming mass.

(Provisional Specification-11 pages).

(Complete Specification-16 pages drawing one sheet)

Ind. Cl. : 1E & 140 B<sub>2</sub>

170164

Int. Cl.<sup>4</sup> : C08L 3/00 &  
E21B 7/18.

Title : A process for the preparation of modified starch for use in oil well drilling.

Applicant : BHARAT STARCH AND CHEMICALS LIMITED, an Indian Company of Thapar House, 124, Janpath, New Delhi-110 001, India.

Inventor : GHANSHYAM SHARMA.

Application for Patent No. 1120 DEL 86 filed on 22 Dec. 1986.

Complete Specification left on 25 Jan 1988.

Appropriate office for the opposition proceedings (Rule 4, Patent Rule 1972), Patent office Branch New Delhi-110005.

(Claims 4)

A process for the preparation of modified starch, for use in oil well drilling comprising the step of preparing reaction mix of starch and an esterifying agent such as phosphate containing compounds as herein described wherein said esterifying agent is present in the amount of 5 to 25 parts to every 100 parts of starch, subjecting such a mix to the step of esterification by heating at a temperature of 100-150°C for a period of 2-5 hours in the presence of a catalyst such as acetamide sodium acetate or urea.

(Provisional Specification 4 pages).

(Complete Specification 8 pages).

Int. Cl. : 140 A<sub>5</sub> [XI(2)]

170165

Int. Cl.<sup>4</sup> : C 10 M 135/02.

Title : "A LUBRICANT OR FUNCTIONAL FLUID COMPOSITION".

Applicant : THE LUBRIZOL CORPORATION, A CORPORATION OF THE STATE OF OHIO, OF 29400 LAKELAND BOULEVARD, WICKLIFFE, OHIO 44092, U.S.A., A CORPORATION OF THE STATE OF OHIO U.S.A.

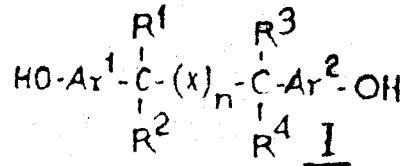
Inventor(s) : CHARLES PETERSON BRYANT, KENT BOYCE GROVER, JAMES NOEL VINCI, SYED QALAB ABBAS.

Application for the Patent No. 1130/DEL/86 filed on 23rd December 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A lubricant or functional fluid composition which contains an oil such as herein described and an antioxidant which is a mixture of (A) a compound having the formula I



of the drawings wherein Ar<sup>1</sup> and Ar<sup>2</sup> are independently mono-nuclear or polynuclear, substituted or unsubstituted aromatic groups as herein described; R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are independently hydrogen or hydrocarbyl groups of from 1 to 25 carbon atoms; X is at least one divalent sulfur atom, sulfone group, sulfoxide group, or a mixture thereof; and n is a number ranging from 1 to 5; and (B) a compound having the formula II



of the drawings wherein Ar<sup>3</sup> and Ar<sup>4</sup> are independently mono-nuclear polynuclear, substituted or unsubstituted aromatic groups as herein described and R<sup>5</sup> is hydrogen, halogen, OH, NH<sub>2</sub>, SH, NO<sub>2</sub> or a hydrocarbyl group of from 1 to 50 carbon atoms;

said antioxidant being present in an amount of 0.002% to 20% by weight of the composition and the weight ratio of (B) to (A) being between 0.01 : 1 and 100 : 1.

(Complete Specification-57 Pages. Drawings-6 sheets)

Ind. Cl. : 92 C.

170166

Int. Cl.<sup>4</sup> : A01F 7/06.

Title : A THRESHER.

Applicant : JAGADISH CHANDER, RAJINDER KUMAR DUTTA AND ANIL KUMAR DUTTA ALL INDIAN NATIONALS OF UNION TRACTOR WORKSHOP, 8-B, PHASE-II, MAYA PURI, INDUSTRIAL AREA, NEW DELHI-110 064.

Inventor : JAGADISH CHANDER.

Application for Patent No. 03 DEL 87 filed on 02 JAN 1987.

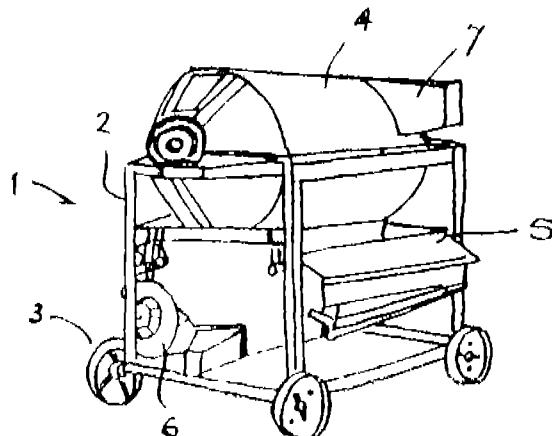
Complete Specification left on 29 JAN 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

3 Claims

A thresher (1) comprising a cylinder (3) having an outlet (7) for discharge of chaff, a rotor composed of a shaft (9a), connected to a prime mover, radial arms (14) secured to the said shaft for supporting longitudinal arms (9c), pegs (9d) provided on the said longitudinal arms, stripping knives secured to the upper inner half portion of said cylinder, a concave screen provided below the said rotor, characterised in that a

chamber defined by tapered wall and having an inlet with a flange, provided on the front of said cylinder for introduction of the agricultural produce, a plurality of radial arms (14) are provided on the extended portion of said shaft in the said inlet chamber.



(Provisional Specification 5 Pages)

(Complete Specification 9 Pages. Drawing Sheet 1)

Ind. Cl. : 32 B.

170167

Int. Cl. 4 : C10G 35/04.

Title : APPARATUS FOR CONDUCTING AN ENDO-THERMIC CATALYTIC REFORMING REACTION.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : SYDNEY PERCY SMITH ANDREW, RALPH JONES DOY & ANTHONY PETER JOHN LIMBACH.

Application for Patent No. 802/DEL/88 filed on 22 Sept. 1988.

Divisional to Appln. No. 151/DEL/86 filed on 24 Feb. 1986.

Convention dates 05 Mar. 1985, 25 July 1985, 21 Aug. 1985, 21 Aug. 1985/8505684, 8518824, 8520890, 8520891/U.K.

Ante-dated to 24 Feb. 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

11 Claims

Apparatus for conducting an endothermic catalytic reforming reaction such as steam reforming of hydrocarbons, said apparatus comprising.

(a) an outer shell (22) having an inlet (26) and an outlet (28) for heating a fluid of the kind such as herein described and having at least one tubular reactor (48) located within said shell (22), the or each tubular reactor (48) having

(i) a first tube (52) blind (84) at one end, provided with an inlet (48) at the other end,

(ii) a second tube (80) provided internally, or externally, or both with a layer of thermal (82) insulation, said second (80) tube being disposed within, and extending along, said first (52) tube, thereby providing a space (90) between the first (52) and second (80) tubes for receipt of a catalyst of the kind as herein described for the reforming reaction, the interior of the second (80) tube communicating with the space (90) between said first (52) and second (80) tubes at the blind (84) end of said first tube (52), and said tube (80) having outlet at the inlet end of said first tube, and the said

inlet (26) and outlet (28) of the outer (22) shell providing means for supplying a heating fluid to the external surface of said tube (52);

(b) a secondary (126) reformer external to said outer (22) shell;

(c) means (124) for supplying a gas containing free oxygen to said secondary (126) reformer;

(d) first conduit (132) means connecting the outlet (68) of said secondary (126) reformer with the heating fluid (26) inlet of said outer (22) shell;

(e) second conduit (134) means communicating with the inlet of, or each, tubular (48) reactor for supplying a gas stream thereto from outside said outer shell (22); and

(f) third conduit (136) means communicating with the outlet of the, or each, tubular reactor (48), to said secondary reformer (126).

(Complete Specification 27 Pages. Drawing Sheets 7)

Ind. Cl. : 170 D.

170168

Int. Cl. 4 : C11D 1/02.

Title : FABRIC SOFTENING AND ANTISTATIC LIQUID DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, U.S.A., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventors : PALLASSANA N. RAMACHANDRAN, PAUL S. GRAND & ROBERT ANDREW BAUMAN.

Application for Patent No. 888/DEL/88 filed on 13 Oct. 1988.

Divisional to Patent Application No. 39/DEL/86 filed on 15 Jan. 1986.

Ante-dated to 15 Jan. 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A fabric softening and antistatic liquid laundry detergent composition which comprises a 3 to 25% of a synthetic anionic organic detergent such as herein described, 1 to 20% of bentonite, 1 to 10% of N-higher aliphatic isostearamide antistat and 5 to 40% of a detergent builder and in which the detergent is of the sulfate and/or sulfonate types in an aqueous medium such as herein described.

(Complete Specification 39 Pages).

Ind. Cl. : 4 A4 & C.

170169

Int. Cl. 4 : B64C 27/00.

Title : A ROTOR HEAD FOR A GYROPLANE ROTOR.

Applicant : AEROSPATIALE SOCIETE NATIONALE INDUSTRIELLE, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF FRANCE, OF 37 BOULEVARD DE MONTMORENCY, PARIS 75016, FRANCE.

Inventors : RENE LOUIS MOUILLE & JEAN-LUC LEMAN.

Application for Patent No. 235/DEL/89 filed on 13 Mar. 1989.

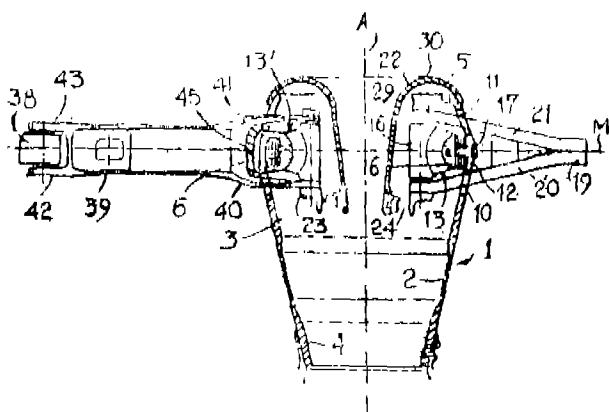
Divisional to Appln. No. 636/DEL/86 filed on 16 Jul. 1986.

Ante-dated to 16 Jul. 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A rotor head for a gyroplane rotor, comprising an integrated hub-mast rotatable about the axis of the rotor (A) by means of one mast (2) and having a hub body (3), rotor blades connected to said mast and said hub body by a forked fastening means (19) having two branches (20, 21), means (13) for retaining and pivoting connected between said rotor blades and said integrated hub-mast, an external frame (14) connected to the hub body (3) and an internal frame (16) connected to the internal ends of the two branches (20, 21), a resilient return and drag damping member (15) having two ends, one of said ends being pivoted by means of a ball and socket joints (57) on the forked fastening means (19) of the corresponding blade and the other end being connected to a point on hub body (3) characterised in that said integrated hub-mast is a tubular mast-forming part one end of which is in the form of a foot (4) by means of which said hub-mast (2) is rotated about an axis (A) of said mast-forming part and the other end opposite to said foot is firmly secured to a part forming a hub-body (3) coaxial with said mast-forming part (2) and to which the rotor blades are connected, said hub-body constituting a tubular extension of said mast forming part and having formed therein pairs of openings (10, 11) equal in number to the number of blades of the rotor, said openings being spaced apart circumferentially about the periphery of said hub-body (3) with the openings of each pair being spaced axially from each other, a reinforcing girdle (6) of a composite material formed of high mechanical strength unidirectional mineral or synthetic fibers wound and agglomerated by means of a synthetic and hardened resin being fixed to said hub-body (3) against the internal or external surface thereof, said girdle (6) being located between the two openings (10, 11) of each pair of said openings, the retaining and pivoting members (13) being housed inside the hub body (3) and each of the two branches of the forked fastening means (19) passing through one of the two openings of a pair of openings (10, 11), between which these retaining and pivoting members (13) are fixed bearing by their external frame (14) against the reinforcing girdle (6) or the hub body (3).



(Complete Specification 32 Pages. Drawing Sheets 5)

Ind. Cl. : 170 D. 170170

Int. Cl. : C11D 1/66.

Title : A PHOSPHATE DETERGENT BUILDER FREE NONAQUEOUS LIQUID HEAVY DUTY LAUNDRY DETERGENT COMPOSITION.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 300 PARK AVENUE, NEW YORK, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : GUY BROZE, DANIELLE BASTIN, LEO LAITEM AND TRAZOLLAH OUHADI.

Application for Patent No. 382/DEL/89 filed on 01 May 1989.

Divisional to Patent Application No. 670/DEL/86 filed on 24 July 1986.

Ante-dated to 24 July 1986.

Appropriate office for opposition proceedings (Rule 4, Patent Rule 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A phosphate detergent builder free nonaqueous liquid heavy duty laundry detergent composition which comprises :

from 30—50% by weight of a Nonionic surfactant,  
from 1—10% Acid Terminated surfactant,  
from 3—15% Alkylene glycol mono alkyl ether,  
from 7—22% Hydroxy acrylate polymer sodium salt builder,  
from 0.1—0.9% C<sub>16</sub> to C<sub>18</sub> alkanol ester of phosphoric acid,  
from 10—22% Sodium perborate monohydrate bleaching agent and  
from 4—15% Tetraacetylene diamine bleach activator.

(Complete Specification 38 Pages. Drawing Sheet 1)

Cl. : 157A4

170171

Int. Cl. : E01B 7/00.

A REVERSING DEVICE FOR A RAILWAY SWITCH.

Applicant : VOEST-ALPINE MASCHINENBAU GESELLSCHAFT M.B.H., A-4020 LINZ, LUNZERSTRASSE 64, AUSTRIA.

Inventors : (1) GERALD DURCHSCHLAG  
(2) ALFRED LANG  
(3) FRANZ ROTTER  
(4) DIETER FRITZ  
(5) HEINZ KOPILOVITSCH

Application No. 868/Cal/1988 filed 21 October 1988.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

12 Claims

A reversing device for a railway switch, comprising :

a first pair of laterally-spaced fixed rails at one end of a deflection area;

two alternatively useful second pairs of laterally spaced fixed rails at an opposite end of said deflection area, respective ones of said rails in said two pairs converging towards one another towards said deflection area;

said first pair of fixed rails being in longitudinal alignment with respective rails of one of said second pairs of fixed rails for providing a substantially straight longitudinal path through the railway switch and with respective rails of the other of said second pairs of fixed rails for providing a curved path through the railway switch;

two said rails at a same end of said deflection area having corresponding switchable portions which are fixed at said same end of said deflection area to provide continuations of respective ones of said rails, and which are supported for coordinated lateral deflection along the lengths thereof between one position in which said switchable portions are disposed to provide continuity through the railway switch

along said substantially straight path and another position in which said said switchable portions are disposed to provide continuity through the railway switch along said curved path;

said rails being supported on a fixed base;

at least one longitudinally elongated supporting rod supported on said fixed base by guide means so as to be aligned with said substantially straight path and disposed for longitudinal movement forwards and rearwards along said substantially straight path;

means for moving said at least one longitudinally elongated supporting rod substantially longitudinally forwards and rearwards along said substantially straight path;

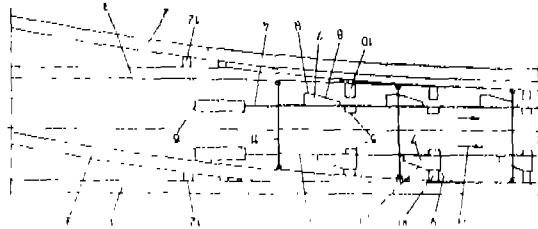
each of said switchable portions of said rails being provided with a plurality of longitudinally-spaced, laterally-projecting first thrust supports;

said at least one supporting rod being provided with two sets of longitudinally-spaced, laterally-projecting second thrust supports;

each first thrust support having a laterally-facing thrust support surface means arranged to engage a respective respective laterally-facing thrust support surface means of a respective second thrust support upon longitudinal movement of said at least one elongated support rod to a selected position;

said thrust support surface means of one of said first and second thrust supports comprising a wedge-shaped ramp surface adjoining a main surface oriented substantially parallel to said substantially straight path;

said thrust support surface means being disposed and oriented such that when corresponding thrust support surface means of said first and second supports are not in engagement and said at least one longitudinally-elongated supporting rod is moved longitudinally by said moving means to cause engagement, said wedge-shaped ramp surfaces of the thrust support surface means of one of said first and second thrust supports first engages, and cams against the thrust support surface means of the other of said first and second thrust supports, thereby deflecting the respective said switchable portion of said rails from alignment in one of said paths into alignment in the other of said paths, and further movement of said at least one longitudinally-elongated supporting rod causes the main surfaces of the thrust support surface means of said one of said first and second thrust supports to engage against the thrust support means of the other of said first and second thrust supports, thereby holding the respective switchable portion of said rails in alignment with the other of said paths, and reverse movement of said at least one longitudinally-elongated supporting rod progressively eliminates holding of the respective switchable portion of said rails in alignment with said other of said paths and removes camming action therefrom by said wedge-shaped ramp surface, permitting the respective switchable portion to return to alignment with said one of said paths.



Compl. Specn. 25 Pages.

Drgs. 5 sheets

Cl. : 40C

170172

Int. Cl. C08L 75/00.

#### A MICROEMULSION OF THE WATER-IN-OIL TYPE BASED ON PERFLUOROPOLYETHERS.

Applicant : AUSIMONT S.R.L., 31, FORO BUONA-PARTE MILAN, ITALY.

Inventors : (1) ALBA CHITTOFRATI  
(2) DARIA LENIT

Application No. 880/Cal 1988 filed 25 October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A microemulsion of the water-in-oil type, having an electric conductivity (for ionic transfer) of at least 10 micro Siemens, cm<sup>-1</sup>, consisting of a liquid, limpid as hereinbefore described or opalescent, macroscopically monophase substance, obtained by mixing :

- (a) 2--23% by wt. of water, optionally containing one or more electrolytes as hereinbefore described;
- (b) 75--28% by wt. of a liquid perfluoropolyether having perfluoroalkyl end groups, with an average molecular weight from 500 to 10,000, or having an average molecular weight from 1,500 to 10,000 and from 0.1 to 4 functional end groups for each chain, selected from : carboxyl, polyoxyalkylene-OH alcoholic, aminic, amidic hydroxyl, quaternary amonic ester as hereinbefore described!
- (c) 19--44% by wt. of a fluorinated surfactant such as herein described, preferably of the ionic type, and/or;
- (d) 0--19.3% by wt. of a hydrogenated alcohol with C<sub>1</sub>--C<sub>12</sub>; or optionally :
- (e) a fluorinated alcohol.

Compl. Specn. 21 pages.

Drgs. 2 sheets.

Cl. : 127I

170173

Int. Cl. : B25J 18/04

#### MANIPULATOR DEVICE IN PARTICULAR FOR SOAP MOLDING MACHINES OR THE LIKE.

Applicant : BINACCHI & C.S.R.I., VIA GRAMSCI 2A, 21045 GAZZADA SCHIANSO (PROVINCE OF VARESE) ITALY.

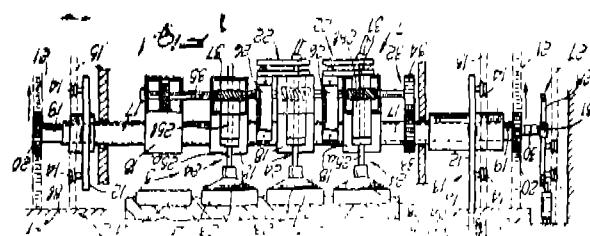
Inventor : FULVIO BINACCHI.

Application No. 1000/Cal/1988 filed 02 December, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 11 Claims

Manipulator device for extracting products such as soaps from a mold and for arranging same on a conveyor belt in particular for soap-molding machines or the like comprising a main frame (2) which supports grip means (3) which are engageable with the products (4) to be extracted from a mold (5) and actuation means (27) which act on said grip means to move them from a first position, in which they are arranged facing the mold, to a second position, in which they are arranged facing a conveyor belt, characterized in that said actuation means comprises means (7) for actuating a partial rotation of said grip means engageable with the product about an axis which is substantially perpendicular to the plane of the face of said products engaged with said grip means,



Compl. Specn. 16 pages.

Drgs. 3 sheets

Cl. : 131A2, 138F

170174

Int. Cl. : E 21 D 15/00.

Application No. 134/Cal/1989 filed 15 February, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

AN IMPROVED PROP.

Applicant : THE TATA IRON & STEEL COMPANY LIMITED, 4, HOMI MODY STREET, BOMBAY-400 023, MAHARASHTRA STATE, INDIA.

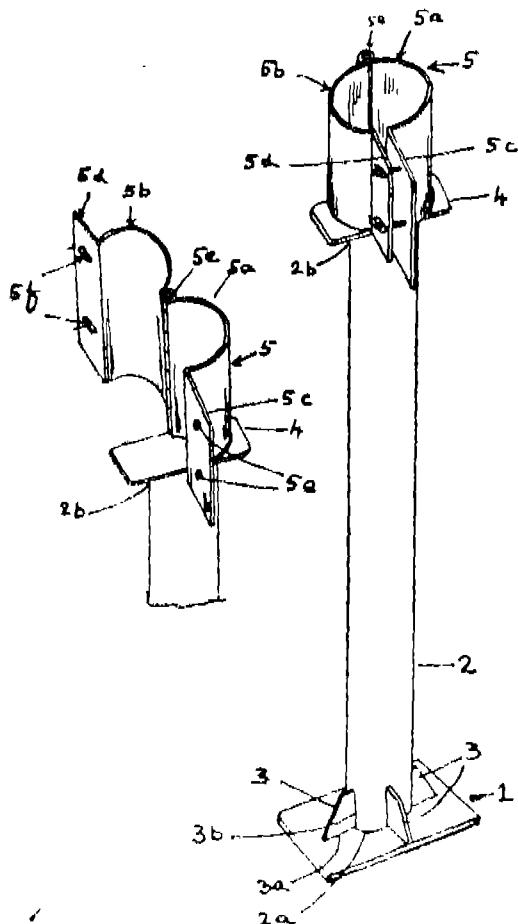
Inventors : (1) NARESH CHANDRA GHOSHAL  
(2) AMITABHA CHATTOPADHYAY  
(3) ABHOY PADA KARMAKAR

Application No. 1007 Cal/1988 filed 05 December, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An improved prop comprising a base plate having supported thereon a vertical column, the top end of the column carrying means for supporting roof beam characterised in that said means comprises a top support plate, said top support plate being provided with a clamping means adapted to support roof-supporting beams, said clamping means being provided with a fixed member and a movable member, one end of the said two members being swingably held together while the other two ends are free ends and are provided with means for holding the free ends together.



Compl. Specn. 7 pages.

Drgs. 1 sheet.

Cl. : 60F

170175

Int. Cl. : A43B 17/00, D04B 1/26.

IMPROVED DOUBLE CYLINDER SOCKS KNITTING MACHINE, METHOD OF KNITTING DOUBLE FOLDED ELASTIC TOP SOCK & THE SOCK, KNITTED THEREOF.

Applicant & Inventor : BISWANATH GHOSH, 30/3, IBRAHIMPUR ROAD, CALCUTTA-700 032, INDIA.

6 Claims

A double cylinder socks knitting machine comprising a frame with driving means, gear box, clutch device, vertically driven shaft fitted with two cylinders one being at the bottom and the other at the top, covered cam boxes, for driving plurality of sliders & needles, selectors etc. the number of sliders being twice the number of needles; with or without design drum & compressed air supply line for cleaning the yarn and to help the needles to hold the yarn when the leeders are changed, auxiliary dropping tackle, with or without Roller-Take down device, the main control panels, Atex/ control chain, control—drum, characterised in that the alteration of timing of the Rib bits/Sliders/selectors of the said control chain and incorporating a cam part of desired configuration on the desired part of the control drum, so that the camming curve acting in the horizontal plain and means pressing the rising Rib jacks radially upwards along the needle cylinder, the jacks being formed in different height and in steps, so that the needle associated with it can be moved out of its engagement/or is engaged as the case may be, during the predetermined period of knitting of double folded elastic top socks.

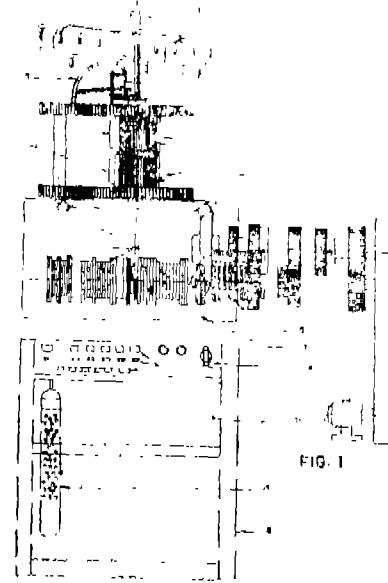
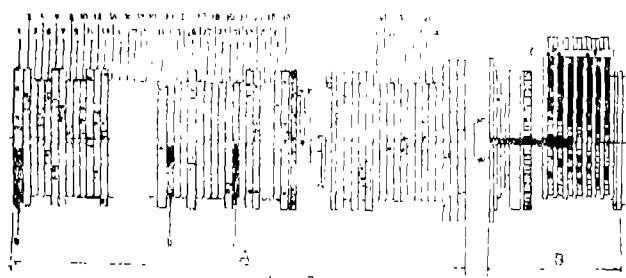


FIG. 1



Compl. Specn. 9 pages.

Drgs. 5 sheets

Cl. : 116-G

170176

Int. Cl. : B66F 9/20

AN ATTACHMENT TO THE CONTROL VALVE OF A FORK-LIFT.

Applicant & Inventor : PROTAP KUMAR GHOSE, 8A AMRAPALI, 10/2 DIAMOND HARBOUR ROAD, CALCUTTA-700027, WEST BENGAL STATE, INDIA. AND JAGADIS MOHAN GUHA, 5/1 BROJEN MUKHERJEE ROAD, CALCUTTA-700035, WEST BENGAL STATE, INDIA.

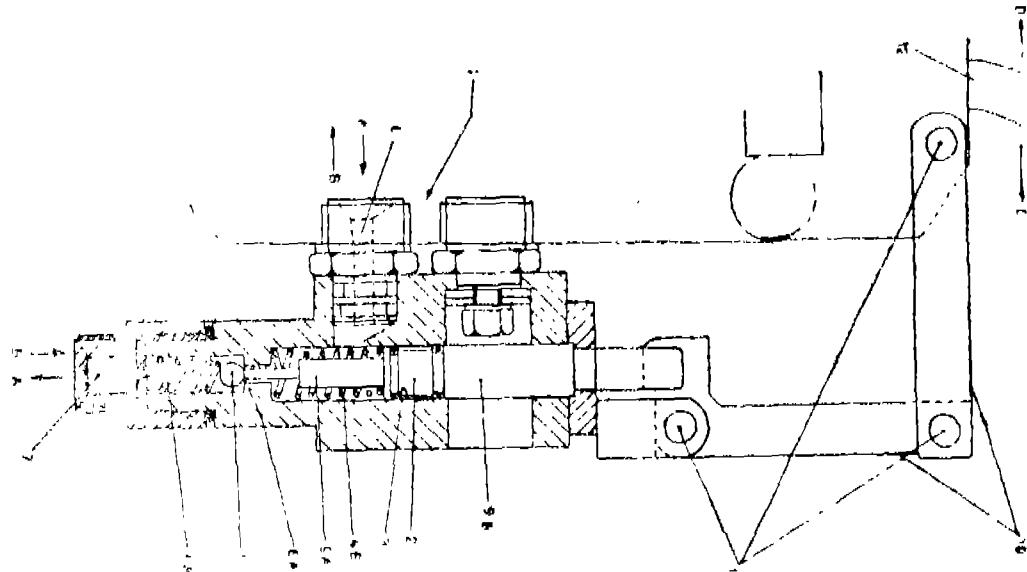
Application No. 239/Cal/1989 filed 29 March, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An attachment to the control valve of a fork-lift for preventing leakage of hydraulic oil past the valve-spindle, comprising a springloaded ball adapted to open and close com-

pletely without allowing any seepage at all, a passage for the flow of hydraulic oil through said control valve, said ball being actuated by one end of said valvespindle through a spring-loaded attachment fixed thereto, the other end of which is connected through mechanical linkages to a handle by operating which the said passage can be opened and closed as required.



Compl. Specn. 8 pages.

Drgs. 1 sheet

Cl. : 201-A

170177

Int. Cl. : C02F 1/00.

AN APPARATUS FOR CHLORINATING WATER.

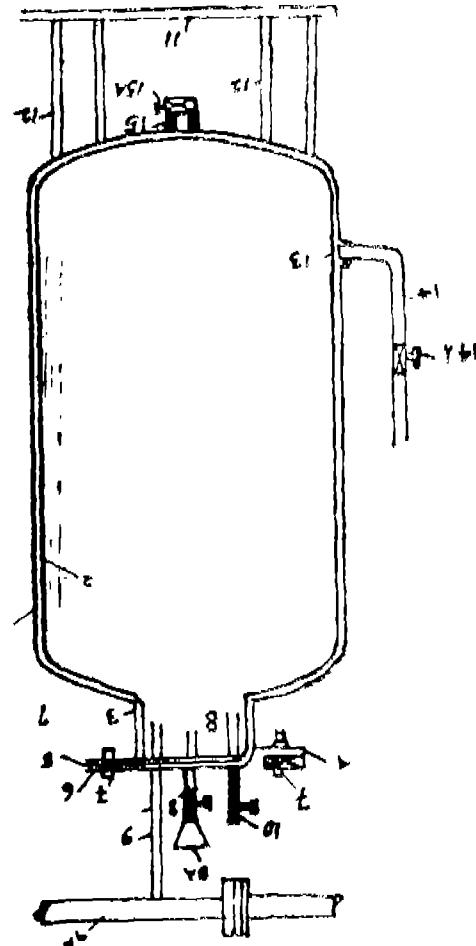
Applicant : ROBIN BOSE, KARNANI ESTATE, 209, ACHARYA JAGDISH CHANDRA BOSE ROAD, CALCUTTA-700 017, WEST BENGAL, INDIA.

Application No. 273 /Cal/1989 filed 10 April, 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

An apparatus for chlorinating water comprising a vertically disposed cylindrical vessel made of iron with a flanged neck and an open mouth at its top, the inner wall of the said vessel being lined with a rubber sheet upto the flanged neck, a rubber packing placed on the said mouth an iron cover plate superimposed on the said rubber packing and held secured by nuts and bolts provided on the flange, the said mouth being provided with a chlorine inlet pipe, a chlorine outlet pipe and an air vent pipe all passing into the said vessel through holes provided on the said iron cover plate and the rubber packing, wherein the said cylindrical vessel is provided with means for imparting hydraulic pressure on the said inner rubber lining.



Compl. Specn. 5 pages.

Drgs. 1 sheet

Cl. : 128-A

177178

Int. Cl. : C 08 B 37/04, A 61 F 15/00.

A SANITARY ARTICLE CONTAINING A TOTAL OR PARTIAL ESTER OF ALGINIC ACID OR A SALT THEREOF.

Applicant : FIDIA S.P.A., VIA PONTE DELLA FABBRICA, 3/A, 35031 ABANO TERME, ITALY.

Inventors : (1) FRANCESCO DELLA VALLE  
(2) AURELIO ROMEO

Application No. 841/Cal/1989 filed 11 October, 1989.

Divisional application No. 485/Cal/87 Anko dated to, 22-6-87.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 4 Claims

A sanitary article in the form of a guaze or surgical article in the form of a sheet or film to be used as skin auxiliaries or in the form of thread to be used in surgery as suture thread characterized in that said article contains and is derived solely from at least one total ester of alginic acid, the ester being derived from physiologically acceptable alcohol, excepting methanol, said alcohol having no pharmacological activity, said ester being obtained by the method claimed in co-pending Indian Patent Application 485/CAL/87 (166549) and not including the known alginic acid esters obtained by the said process.

Compl. Specn. 1 pages.

Drgs. NIL.

Cl. 2F3b + 40F

170179

Int. Cl. : C 12 P 7/40.

#### ENZYMIC PROCESS FOR THE PREPARATION OF ROSMARINIC ACID.

Applicant : KENFORSCHUNGSSANLAGE JULICH GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, POST-FACH 1913, D-5170 JULICH, F.R. GERMANY.

Inventors : (1) NAGARAY NARAYAN RAO  
(2) CHRISTIAN WANDREY  
(3) MAIKE PETERSEN  
(4) AUGUST WILHELM ALFERMANN

Application No. 972/Cal/1989 filed 23 November 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

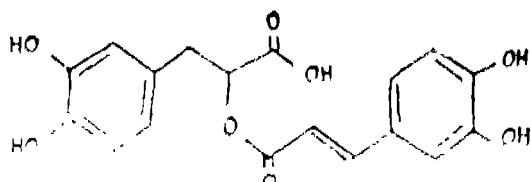
#### 8 Claims

A process for the preparation of rosmarinic acid of the formula (I) of the accompanying drawings and/or a salt thereof comprising :

(i) enzymatically reducing ketodopa, i.e. 2-keto 3-(3, 4-dihydroxyphenyl) propionic acid or a salt thereof, into hydroxydopa, i.e. 3-(3, 4-dihydroxyphenyl) lactic acid or a salt thereof using the reduced form of nicotinamide adenine dinucleotide such as herein described); and

(ii) simultaneously or subsequently contacting the 3-(3, 4-dihydroxyphenyl) lactic acid or salt thereof with 3-(3, 4-dihydroxyphenyl) acrylyl - coenzyme A in the presence of rosmarinate synthase, thereby to bring about enzymatically catalysed reaction of the 3-(3, 4-dihydroxyphenyl) lactic acid or salt thereof and the 3-(3, 4-dihydroxyphenyl) acrylyl - coenzyme A; and

(iii) recovering rosmarinic acid or a salt therefrom the reaction mixture in known manner.



Compl. Specn. 11 pages.

Drgs. 1 sheet

Cl. :

170180

Int. Cl. : C07D 215/00.

#### METHOD FOR THE PREPARATION OF QUINOLINE 2, 3-DICARBOXYLIC ACID.

Applicant : AMERICAN CYANAMID COMPANY, TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, U.S.A.

Inventor : DONALD ROY MAULDING.

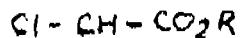
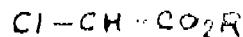
Application No. 105/Cal/1990 filed 05 February, 1990

Divisional application No. 477/Cal/87 Ante dated to 18-6-87.

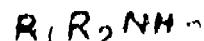
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

#### 3 Claims

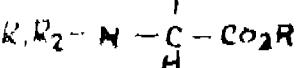
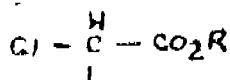
A method for the preparation of quinoline 2, 3-dicarboxylic acid, said method comprising : reacting a dichlorosuccinate of formula I shown in the accompanying drawings wherein R is C - C alkyl, with a minimum of 3 molar equivalents of an amine of formula II shown in the accompanying drawings wherein R and R are each H or C - C alkyl, with the proviso that only one of R or R is H; or when taken together R and R with the nitrogen atom to which they are attached form a 5 or 6 membered ring containing at most 2 heteroatoms; in an inert solvent at a temperature of about 25 C to reflux for about 1 to 24 hours; and further reacting the resulting mixture of formula III a alkylamino-malate or alkylaminofumarate and formula III b chloroaminosuccinate as shown in the accompanying drawings wherein R, R and R are as described hereinabove for formula I and formula II with a molar equivalent of aniline in an inert organic solvent containing an organic acid at a temperature of about 25 C to 90 C for about 1 to 24 hours; reacting the thus-formed anilino-fumarate with an equimolar amount of a Vilsmeier reagent in the presence of a hydrocarbon solvent or a chlorinated hydrocarbon solvent, at a temperature of about 40 C to 110 C, for a period of time sufficient to essentially complete the reaction and yield a dialkyl quinoline-2, 3-dicarboxylate; hydrolyzing said dialkyl quinoline-2, 3-dicarboxylate to quinoline-2, 3-dicarboxylic acid.



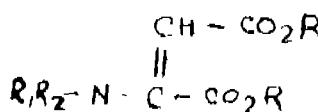
#### FORMULA (I)



#### FORMULA (II)



#### FORMULA (III b)



#### FORMULA (III a)

Compl. Specn. 21 pages.

Drgs. 5 sheets



## 2 Claims

A time division multiplexed (TDM) signalling system of the kind transmitting frames of data, each frame comprising data bits from  $n$  data streams interleaved in turn, a multiplexer unit consisting of a multiplexer having  $n$  inputs, for receiving respective ones of said  $n$  data streams, a counter connected to the inputs and having detector means for detecting the presence of certain of the  $n$  data streams at the multiplexer inputs, signalling means connected to a control circuit for providing a signal thereto in response to detection of a certain one of the data streams, the control circuit having replacing means whose output is connected to the input corresponding to said certain one of the data streams and whose input is connected to the output of an inverter, the input of said inverter being connected to the input of the multiplexer corresponding to an adjacent one of the data streams, wherein the inverter diverts bits transmitted in respect of a data stream adjacent to the certain one of the data streams and the replacing means in response to the signalling means replaces the bits transmitted in respect of the certain one of the data streams by the inverter bits.

(Com. Specn.—10 pages;

Drwg.—1 sheet)

## 7 Claims

A transmission system for the operating mechanism of a multipole circuit breaker comprising :

— an elastic energy storage system (12, 14), associated with a rotary transmission device (16) securedly united to the movable assembly,

— operating means (28, 68, 72, 74, 34) operating in conjunction with the energy storage system (12, 14) to actuate the transmission device (16) in one of the three positions, earthing being accomplished from the second intermediate position O,

— blocking means (46, 50, 52) of the transmission device (16) in each of the three positions I, O, T, of the circuit breaker,

— a first spring (12) of the energy storage system being arranged between a first drive pin (24) of the transmission device (16), and a crankshaft (28) wedged onto a shaft (36) extending parallel to the spindle (22) of the transmission device (16),

— a second spring (14) of the energy storage system being fitted between a second drive pin (30) of the transmission device (16) and an earthing control crank (34) mechanically connected to said blocking means,

— a pivoting retaining plate (44) cooperating on the one hand with an opening control lock (68) by means of a unidirectional locking (76, 78), and on the other hand with the crankshaft (28) by means of a first and a second latching (92, 100),

— said first latching (92) being released during the opening travel by the expansion action of the first spring (12), subsequent to the lock (68) being released,

— said second latching (100) being capable of occupying an active positive locking position of the transmission device (16) at the beginning of the closing travel of the crankshaft (28), and an inactive unlocking position of said device (16).

Ind. Class : 69-M—[GROUP—LIX(1)] 170185

Int. Cl. : H 02 H 3/38

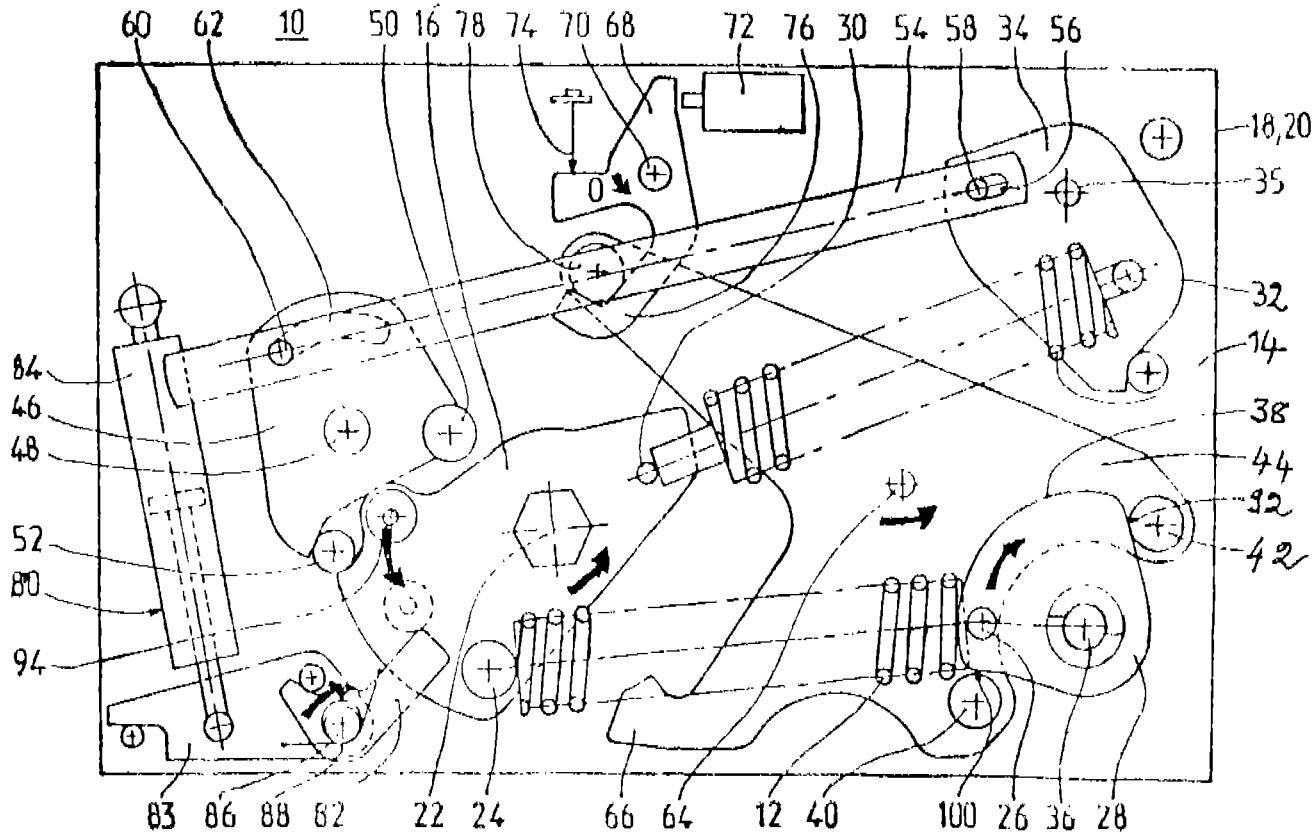
## A TRANSMISSION SYSTEM FOR THE OPERATING MECHANISM OF A MULTIPOLE CIRCUIT BREAKER.

Applicant : MERLINO GERIN, OF RUE HENRI TARZE, F 38050 GRENOBLE CEDEX, FRANCE, A FRENCH COMPANY.

Inventors : (1) ROBERT MICOUD  
(2) MICHEL BERNE

Application No. 29/MAS/88 filed January 18, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.



Ind. Class : 48-D<sub>1</sub>—[GROUP—LVIII(3)]

170186

Int. Cl<sup>3</sup> : H 01 B 17/00

## A HIGH PERFORMANCE, HIGH VOLTAGE ELECTRICAL INSULATOR.

Applicant : DOW CORNING CORPORATION, OF 3901 S. SAGINAW ROAD, MIDLAND, MICHIGAN 48640-0994, UNITED STATES OF AMERICA, A U.S. COMPANY.

Inventor : ORBECK TOR.

Application No. 54/MAS/88 filed January 27, 1988.

Convention date : December 14, 1987; (Canada) NO-554,209.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 6 Claims

A high performance, high voltage electrical insulator, for use with voltages in excess of 15 kilovolts line to ground in an outdoor environment, comprising,

- (1) a non-conducting, fiber reinforced, polymeric support rod,
- (2) metal support fitting attached securely to each end of the support rod, and
- (3) a continuous, arc-resistant, silicone elastomeric cover securely bonded to the support rod and each metal support fitting, the cover being shaped to provide at least one shed and so that the following ratios are present,

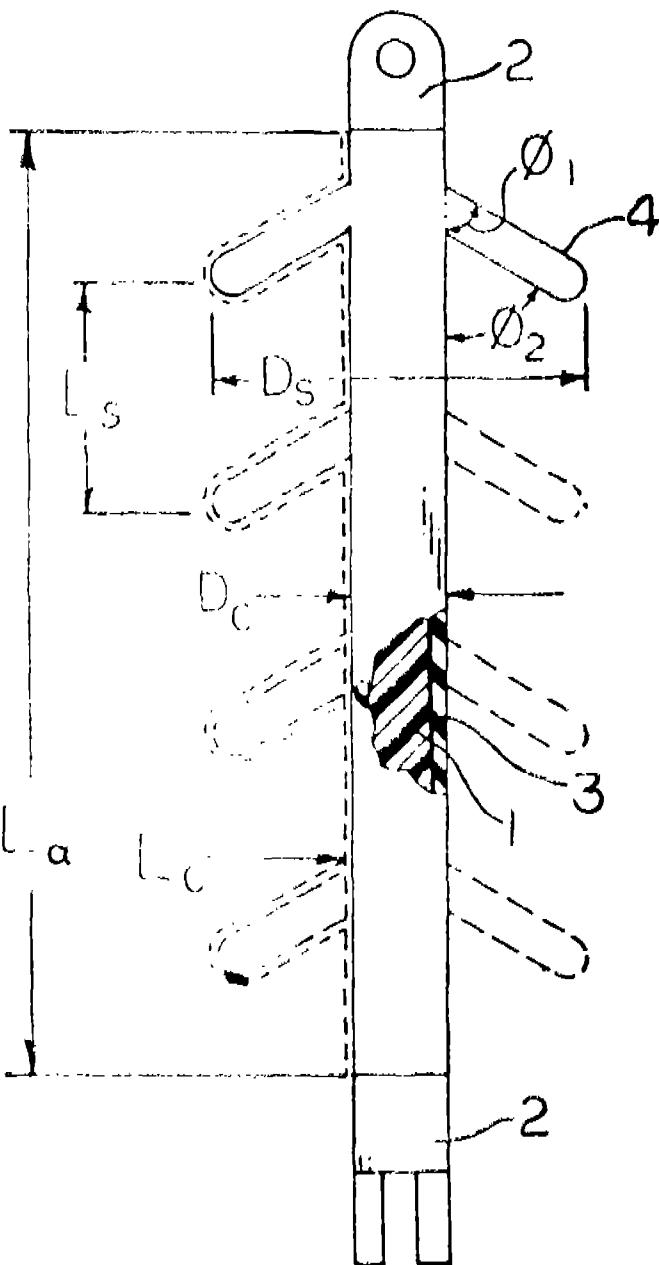
$$\frac{D_s}{L_s} \text{ equal or less than } 1.5$$

$$\frac{L_s}{L_a} \text{ equal or less than } 1.7$$

$$\frac{D_s}{D_c} \text{ equal or less than } 3$$

where  $D_s$  is shed diameter,  $L_s$  is distance between equivalent positions on adjacent sheds,  $L_a$  is leakage distance between the support fittings,  $L_a$  is straight line distance between the support fittings, and  $D_c$  is diameter of the cover over the support rod, the silicone elastomeric cover comprising a cured composition resulting from a composition comprising a mixture of

- (a) from 70 to 90 parts by weight of dimethylvinylsiloxy end blocked polydimethylsiloxane having a Williams plasticity number of greater than 50.
- (b) from 10 to 30 parts by weight of dimethylvinylsiloxyend blocked polydiorganosiloxane having about 98 mol per cent dimethylsiloxane units and 2 mol per cent methylvinylsiloxane units and a Williams plasticity number of greater than 25,
- (c) from 13 to 17 parts by weight of fume silica having a surface area of greater than 50 m<sup>2</sup>/g, and a treated surface which prevents reaction with (a) and (b),
- (d) from 1.5 to .5 parts by weight of hydroxyl end blocked polydiorganosiloxane having methyl and vinyl radicals and having about 10 weight per cent vinyl radicals and about 16 weight per cent hydroxyl radical,
- (e) from 90 to 220 parts by weight of aluminum trihydrate, the mixture having been heated at a temperature of at least 100°C for a time of at least 30 minutes.



(Com. Specn.—36 pages;

Drwg.—1 sheet)

Ind. Class : 172-D<sub>4</sub> — [GROUP—XXI]

170187

Int. Cl<sup>3</sup> : D 01 H/882

## A CONTROL DEVICE FOR DRIVING AND STOPPING AN OPENEND SPINNING UNIT.

Applicant : SCHUBERT & SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, D-8070 INGOLSTADT, GERMANY, A GERMAN COMPANY.

Inventors : (1) MAXIMILIAN FAHMULLER  
 (2) EDMUND SCHULLER  
 (3) GOTTFRIED SCHNEIDER

Application No. 483/Mas/88 filed July 8, 1988.

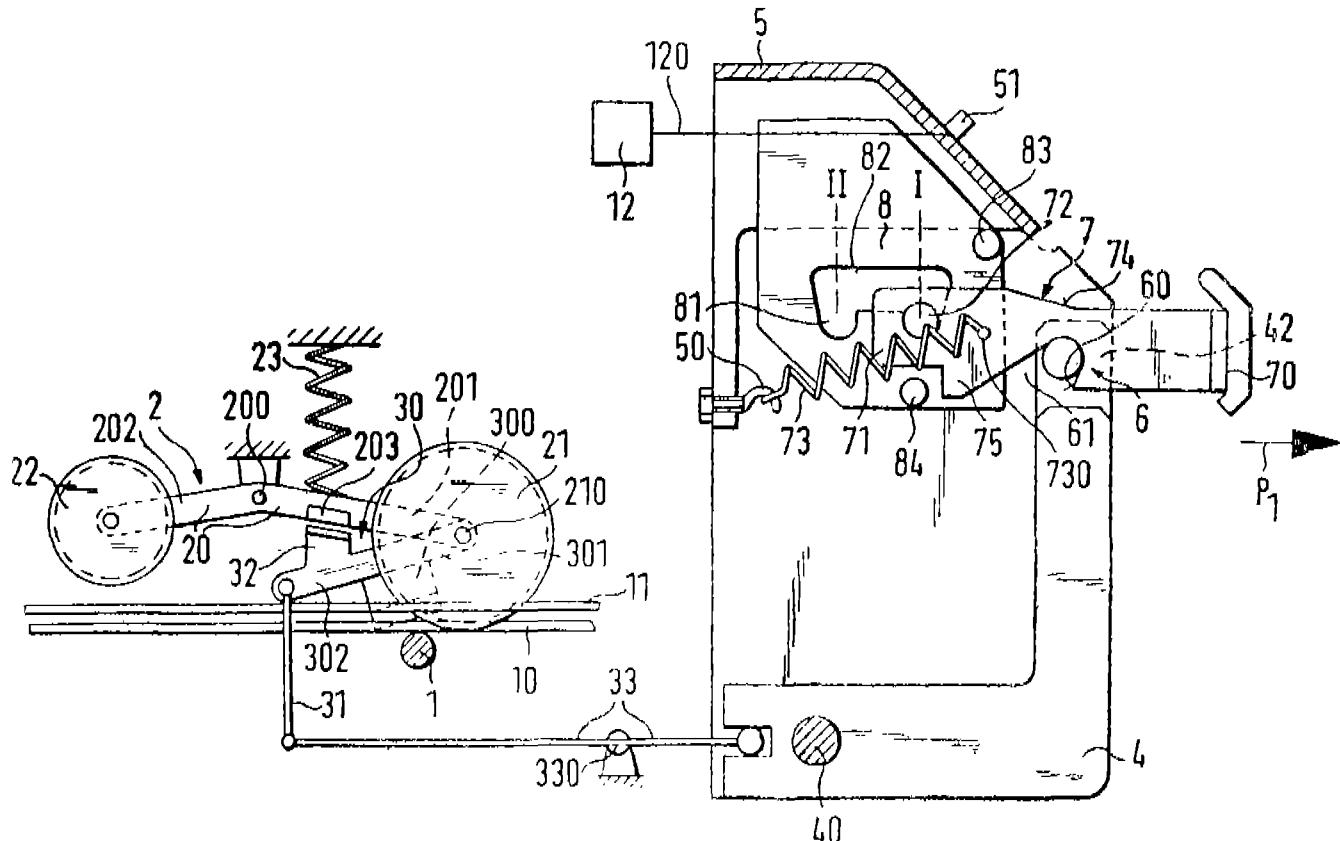
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 31 Claims

A control device for driving and stopping an open-end spinning unit, comprising a pivotable control lever which

can take up a prouction position, a piecing position and a braking position, and in the production position has a first drive operating at the production speed, in the piecing position has a second drive operating at a lower speed than the first drive, and in the braking position has a brake acting on the open-end spinning unit, the device also comprising abutments for holding the control lever in each of the three

positions characterised in that at least the abutments (6) locating the production and the piecing position of the control lever (4) are associated with a common control element (7, 9) movable in reciprocation between at least two switch positions (I, II) in the direction of motion ( $P_1$ ) of the free end (4<sup>a</sup>) of the control lever (4).



(Com. Specn.—50 pages;

Ind. Class : 179-E — [GROUP — XL(6)] 170188

Int. Cl. : B 65D 41/00

**A SCREW CAP FOR CLOSING THE OPEN UPPER FINISH OF A CONTAINER.**

Applicant : OWENS-ILLINOIS CLOSURE INC., INCORPORATED IN DELAWARE, U.S.A. OF ONE SEAGTE, TOLEDO, OHIO 43666, U.S.A.

Inventor : (1) JAMES LEWIS GREGORY

(2) STEVEN RONALD WOLFE

Application No. 617/MAS/89 filed August 17, 1989.

Divisional to Patent Application No. 166573 (84/MAS/86);

Ante-date to February 6, 1986.

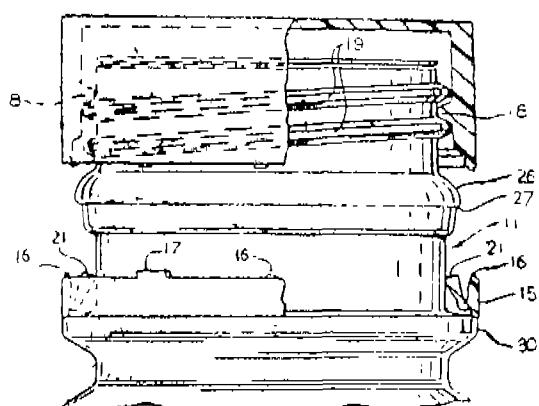
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**2 Claims**

A screw cap for closing the open upper finish of a container comprising, a generally disc-shaped top with an integral, cylindrical depending skirt, a generally cylindrical flexible, indicating band attached to the annular bottom of said skirt by a plurality of circumferentially spaced, frangible bridging members, a full annular stop ring formed integrally with the indicating band and attached to the interior thereof, said stop ring being positioned inwardly and upwardly with respect to the interior of said indicator band, the upper edge of said ring being thicker than the lower end, and a container having

Drwgs.—9 sheets)

an open neck finish, wherein said container finish has two radially extending beads with the beads axially displaced with respect to each other and wherein the base of the upper bead is joined to the peak of the lower bead by a downwardly and inwardly tapering surface, and said upper bead is positioned for engagement from beneath by the free edge of the stop ring when the cap is placed over and closing the open neck of the container.



(Com. Specn.—11 pages;

Drwgs.—3 sheets.)

Ind. Class : 134-B—[LII(1)]

170189

Int. Cl. : F 16 D 43/00

A CLUTCH CONTAINING A SPLINE LIKE CONNECTION.

Applicant : GENERAL MOTORS CORPORATION, AN AMERICAN COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 3044 WEST GRAND, BOULEVARD, DETROIT, MICHIGAN 48202, U.S.A.

Inventor : RICHARD ALAN ORDO.

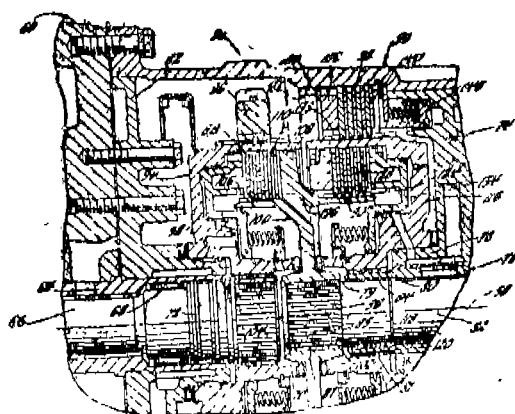
Application No. 643/Mas/89 filed August 28, 1989.

Divisional to Patent No. 167142 (115/MAS/86); Ante-date to February 19, 1986.

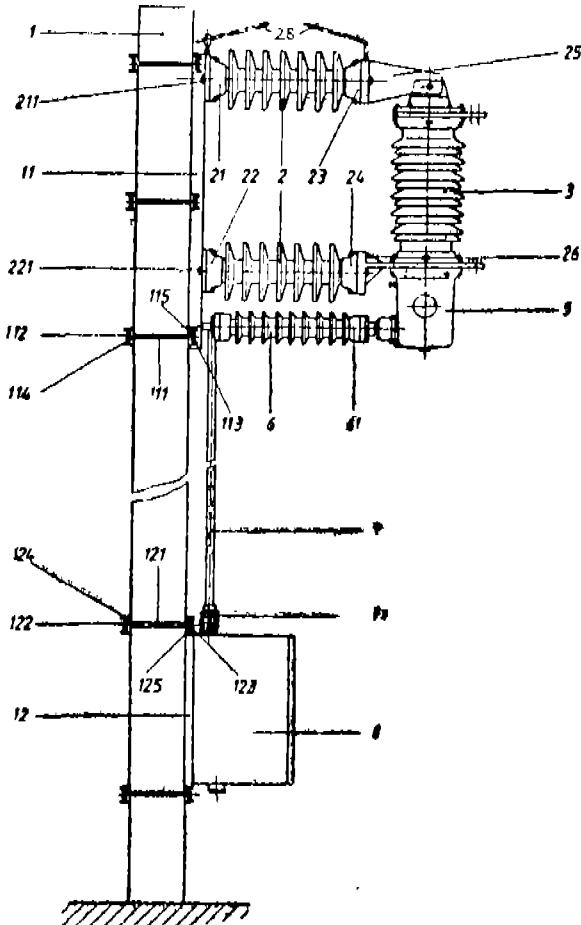
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A clutch containing a spline type connection comprising a first member defining one of an inside cylindrical wall and an outside cylindrical wall aligned on an axis of the clutch; a plurality of first annular clutch plates connected to said one cylindrical wall and disposed in planes perpendicular to the axis; a plurality of second annular clutch plates disposed between respective ones of the first clutch plates in planes perpendicular to the axis; a second member defining the other of the inside and outside cylindrical walls; shaft support means supporting the second member relative to the first member so that the inside and outside cylindrical walls are concentric and rotatable relative to each other about the axis; each of the second clutch plates has a plurality of angularly spaced spline teeth projecting from a circular edge of the second clutch plate and disposed in an imaginary annulus concentric with the circular edge; means on the second member defining at one end of said other cylindrical wall and in a plane perpendicular thereto a staging annulus corresponding in size to the imaginary annulus and with a first edge coincident with said other cylindrical wall, and defining a centring guide shoulder extending longitudinally outwards from the plane of the staging annulus and having one edge coincident with a second edge of the staging annulus; and a plurality of spline grooves formed in said other cylindrical wall, each one sized to accommodate a respective spline tooth, which grooves intersect the staging annulus and are angularly spaced therin to register with the spline teeth.



insulators (2), an activating system of the said break chamber (4) with an operating means, wherein the clear volume between the external wall of the chamber and the internal wall of the module is filled with an insulating material.



(Com. Specn.—14 pages;

D1ws.—3 sheets)

Ind. Class : 70-B — [GROUP — LVIII(5)] 170192

Int. Cl.<sup>1</sup> : C 25 C 7/02

A METHOD OF MAKING A CATHODE FOR USE IN AN ELECTROLYTIC CELL FOR THE RECOVERY OF METAL FROM MINERAL ORES OF CONCENTRATES.

Applicant : DEXTEC METALLURGICAL PTY. LTD., A COMPANY INCORPORATED UNDER THE LAW OF THE STATE OF NEW SOUTH WALES, AUSTRALIA, OF 124 WALKER STREET, NORTH SYDENY, NEW SOUTH-WALES 2060, AUSTRALIA.

Inventor : PETER KENNETH EVERETT.

Application No. 658/MAS/87 filed September 9, 1987.

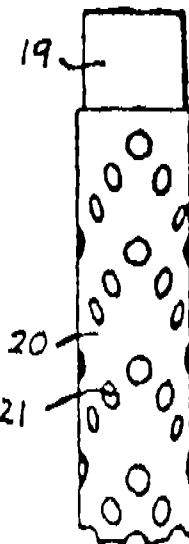
Divisional to patent Application No. 1509/CAL/88; Ante-date to 9th December, 1983.

Convention date : December 10, 1982; (Australia) No. PF7223.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972). Patent Office, Madras Branch.

2 Claims

A method of making a cathode for use in an electrolytic cell for the recovery of metal from mineral areas or concentrates, characterized by providing an elongated conductive member, contacting and surrounding a portion of said elongated conductive member with a perforated tubular non-conductive covering formed of heat shrinkable plastics, and heat shrinking said non-conductive covering so as to leave exposed only areas of said conductive member which lie below perforations of said non-conductive covering.



(Com. Specn.—7 pages;

D1ws.—1 sheet)

Ind. Class : 24-F, D, — [GROUP — LV] 170193

Int. Cl.<sup>1</sup> : B 60 T 15/00

## A CONTROL VALVE DEVICE.

Applicant : AMERICAN STANDARD INC., A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 40 WEST, 40TH STREET, NEW YORK, NEW YORK 10018, UNITED STATES OF AMERICA.

Inventor : CHARLES L. WEBER, JR.

Application No. 659/MAS/87 filed September 9, 1987.

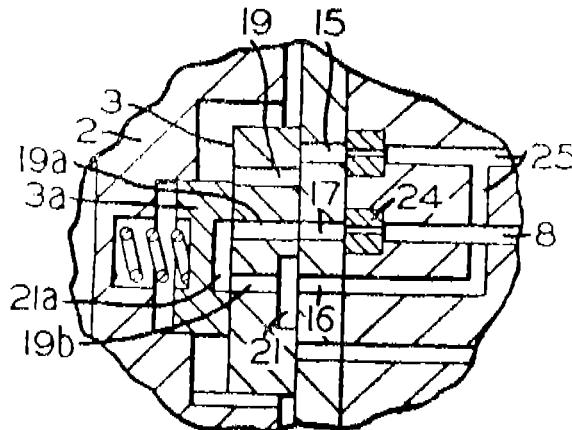
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A control valve device for use on each car of a railway train having a brake pipe charged with fluid under pressure interconnected to the brake pipe of an adjoining car, the said device being operable in response to service and emergency rates of reduction of the pressure carried in said brake pipe for either suppressing or effecting an emergency brake application, said control valve device comprising a housing (1) having a cavity therein; a piston (2) in said cavity forming therewith first and second pressure chambers (7 and 9); passage means (8) interposed between said brake pipe and said first and second pressure chambers for charging fluid; first choke means (10) for restricting the flow of fluid pressure between said brake pipe and said second pressure chamber; a first recess (13) in said piston (2) inter-connected within said second pressure chamber a main slide valve (3) carried in said first recess (13) the dimension of said main slide valve being less than the dimension of said first recess to provide lost-motion with said piston; a bushing (5) fixed in said cavity providing a slide valve seat (4a) with which one face (4) of said main slide valve (3) is slideably engageable; a vent passage (4a, 25) between said slide valve seat and atmosphere a first branch passage (16) having one end connected to said vent passage and the other end opening at the face of said slide valve seat; a second branch passage (17) having one end connected to said passage means and the other end opening at the face of said slide valve seat; first (19a) and second (19b) connecting passages in said main slide valve having their respective opposite ends opening at said one face and another face (3c) of said main slide valve; a graduating slide valve (3a) carried fast in said first recess

for limited axial movement relative to said main slide valve in response to axial movement of said piston, said graduating slide valve having a face (3b) adjoining said other face of said main slide valve with a groove (21a) capable of connecting and disconnecting to said first and second connecting passages during said axial movement of said piston; and a third con-

necting passage (19) in said main slide valve the opposite ends of which opening at said one and said other faces, said third connecting passage being connectable and disconnectable with said vent passage and during said axial movement of said piston.



(Comp. Specn.—23 pages;

Ind. Cl. : 32 E [GROUP IX (1)]

170194

Int. Cl. : C 08 F 14/06

A PROCESS FOR PREPARING A VINYL CHLORIDE HOMO/COPOLYMER IN THE FORM OF A POLYMER POWDER HAVING IMPROVED RHEOLOGICAL PROPERTIES CAPABLE OF FORMING PLASTISOLS.

Applicant : ATOCHEM, A FRENCH BODY CORPORATE, OF LA DEFENSE 10, 4 & 8 COURS MICHELET, 92800 PUTEAUX, FRANCE.

Inventors : (1) DANIEL BRULET  
(2) YVES POMMIER

Application No. 662/MAS/87 filed on 10th September, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

A process for preparing vinyl chloride homo/copolymer in the form of a polymer powder having improved rheological properties capable of forming plastisols comprising preparing a vinyl chloride homo/copolymer latex in a known manner, heating the said polymer latex at a temperature above 40° and below the degradation temperature of the said polymer and spray drying the said heated polymer latex to obtain the said powder of vinyl chloride homo/copolymer.

(Comp. Specn.—18 pages;

Drg.—Nil)

Ind. Cl. : 105 C [GROUP XLI(7)]

170195

Int. Cl. : G 01 D 3/02

APPARATUS FOR INDICATING THE VALUE OF A VARIABLE.

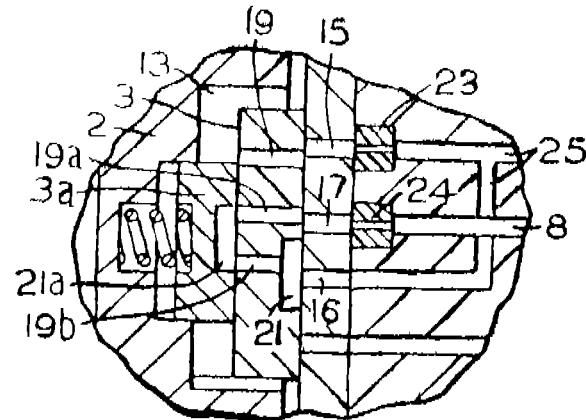
Applicants : RANK TAYLOR HOBSON LIMITED, OF 2 NEW STAR ROAD, LEICESTER LE4 7JQ, UNITED KINGDOM, A BRITISH COMPANY.

Inventor : Peter Dean Onyon.

Application No. 675/MAS/87 filed on 17th September, 1987.

Convention dated 3rd October 1986; No. 8623752 (U.K.).

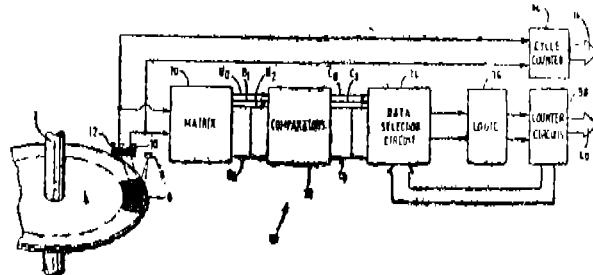
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.



Drwgs.—2 sheets)

2 Claims

Apparatus for indicating the value of a variable comprising means for deriving a series of similar signals which change cyclically as said variable changes and which have different phases; means for storing a number representing the number of said changing signals which have achieved a predetermined condition; and means for changing said stored number in response to changes in said number changing means comprises means for responding to both said stored number and to the actual condition of said changing signals to change said stored number in the event that it is not consistent with said actual condition.



(Comp. Specn.—14 pages.

Drg.—2 sheets)

Ind. Class : 129-J — [GROUP — XXXV]

170196

Int. Cl. : B 21 B 1/26

PROCESS AND APPARATUS FOR PRODUCING HOT ROLLED STEEL STRIP.

Applicant : SMS SCHLOEMANN-SIEMAG AKTIENGESELLSCHAFT, OF EDUARD-SCHOLEMANN-STRASSE 4, 4000 DUSSELDORF 1, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

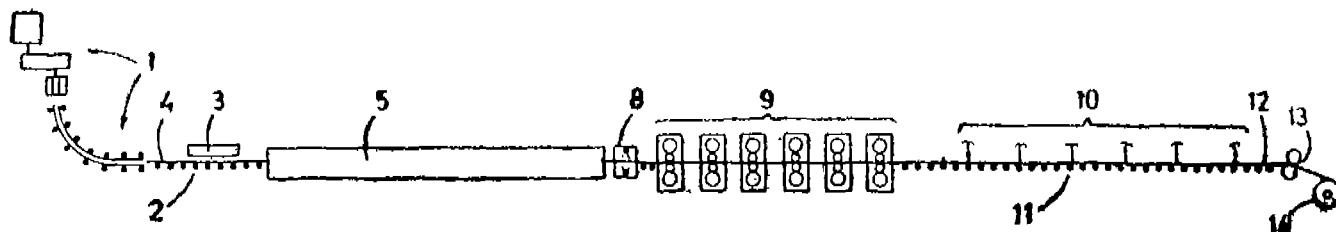
Inventor : DR. WOLFGANG ROHDE.

Application No. 693/Mas/87 filed September 23, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

Process for producing hot rolled steel strip comprising the steps of casting steel strand, cutting the said steel strand into pieces (4a or 4b) of equal length from the cast strand (4) solidified after the casting, transferring one after the other, the said pieces (4a, 4b) with stretched length into a furnace (5) maintaining the furnace at rolling temperature of steel, characterised in that said cast strand pieces (4a & 4b) are stored till the beginning of rolling and individual strand pieces (4a & 4b) are introduced one after another at the rolling temperature into a rolling mill for rolling down and continuing the casting during the rolling operation, introducing the said cast strand pieces (4a & 4b) into the said fur-



(Comp. Specn.—24 pages;

Ind. Class : 32-F 3(c). — [GROUP — IX(1)] 170197

Int. Cl. : C 10 M 105/80; 129/04; 135/02

A PROCESS FOR PREPARING GROUP II METAL OVERBASED SULFURIZED ALKYLPHENOLS.

Applicant : CHEVRON RESEARCH COMPANY, A CORPORATION DULY ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 555 MARKET STREET, SAN FRANCISCO, CALIFORNIA 94105, U.S.A.

Inventor : THOMAS VINCENT LISTON.

Application No. 707/MAS/87 filed October 1, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A Process for preparing group II metal overbased sulfurized alkylphenols comprising the steps of : reacting at a temperature of 90° to 155°C in a known inert hydrocarbon diluent of alkylphenol containing at least 8 carbon atoms, 1 to 20 weight percent based on the weight of the alkylphenol an oil soluble group II metal overbase hydrocarbyl sulfonate and an alkanol having at least 8 carbon atoms in a molar ratio of .5 to 5 based on the weight of alkylphenol in the presence of a sulfurization catalyst such as herein before described; adding an oxide, hydroxide, or C<sub>1</sub> to C<sub>4</sub> alkoxides of a group II metal in a molar ratio of 1.5 to 4 based on the weight of alkylphenol and sulfur in a molar ratio of 1.5 to 4 based on the weight of alkylphenol maintaining a temperature in the range of 90 to 150°C, subsequently adding a C<sub>2</sub> to C<sub>4</sub> alkylene glycol in a molar ratio of 1 to 4 based on the weight of the alkylphenol at a temperature of 145° to 165°C; maintaining a temperature in the range of 155° to 165°C and subsequently increasing the temperature to a range of 160°C to 190°C; adding carbon dioxide at a molar ratio 1 to 3 based on the weight of alkylphenol and heating under reduced pressure of 10 to 30 mm to a temperature of 175° to 200°C to remove water, C<sub>2</sub> to C<sub>4</sub> alkylene glycol and the unreacted carbon dioxide to obtain group II metal overbased sulfurized alkylphenol.

(Comp. Specn.—60 pages;

Drwgs.—1 sheet)

Int. Cl. : 32 F 3(c) [GROUP IX (1)] 170198  
Int. Cl. : C 07 C 35/08

A PROCESS FOR PRODUCING CYCLOHEXANOL.

Applicant : BASF AKTIENGESELLSCHAFT, A GERMAN JOINT COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY, WITH A REGISTERED OFFICE AT 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

nace until rolling the said cast strand pieces (4a & 4b) are severed from the cast strand (4) and introduced directly and exclusively into the furnace (5), maintaining them in the said furnace (5) subject to transverse transport (6) which is operated substantially without any energy supply and the said cast strand pieces (4a, 4b) are stored therein for a period which corresponds to a multiple of four times their casting time, the rolling of each individual cast strand pieces (4a, 4b) being carried out within a time period which corresponds to only fifth of its casting time, the said rolling being carried out discontinuously and the rolling operation being interrupted each time for an interval of over a period which corresponds to the difference between the casting time and the rolling time.

Drwgs.—2 sheets)

Inventors : (1) GERALD NEUBAUER

(2) ROLF SCHNABEL

(3) JUERGEN HARTIG

(4) JOSEF RITZ

Application No. 750/MAS/87 filed on 19th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A process for producing cyclohexanol comprising the steps of

(a) preparing cyclohexyl hydroperoxide by oxidizing cyclohexane with molecular oxygen or a molecular oxygen containing gas in the liquid phase at a temperature of 130° to 200°C and at pressure of 5 to 125 bar,

(b) reacting cyclohexyl hydroperoxide with cyclohexane in a molar ratio of 1 : 5 in the presence of a catalyst selected from selenium; tellurium; boride; one or more cyclohexane-soluble compounds of methods such as titanium, vanadium, molybdenum or tungsten; and one or more cyclohexane-insoluble compounds of metals such as titanium, zirconium, vanadium, niobium, tantalum, chromium, molybdenum or tungsten; to form cyclohexanol and cyclohexane oxide,

(c) separating the said cyclohexane oxide in a known manner and hydrogenating the same in the presence of a known hydrogenating catalyst at a temperature of 80° to 150° to obtain cyclohexanol.

Comp. Specn.—13 pages;

Drg.—Nil)

Ind. Cl. : 112 F [GROUP XXX (3)] 170199

Int. Cl. : G 02 B 5/12

ROADWAY SIGN

Applicant : MINNESOTA MINING AND MANUFACTURING COMPANY, A CORPORATION OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOMICILED AT 3M CENTER, SAINT PAUL, MINNESOTA 55144, U.S.A.

Inventor : HENRY L. WOLTMAN

Application No. 773/MAS/87 filed on 26th October, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 10 Claims

A roadway sign comprising a retroreflective background region and a retroreflective indicia region having a legibility zone wherein the retroreflective properties of said regions are selected such that the ratio of retroreflective brightness of said indicia to the retroreflective brightness of said background is larger at locations within the legibility zone for the sign, than said ratio is at locations outside the legibility zone.

(Comp. Specn.—23 pges;

Draws.—3 sheets)

Ind. Cl. : 122 [GROUP XXXIII(6)] 170200

Int. Cl. : B 03 C 3/68

## AN APPARATUS FOR DETECTING ELECTRIC DISCHARGES SUCH AS BACK CORONA.

Applicants : F L SMIDTH & CO. A/S, A COMPANY ORGANIZED UNDER THE RULES OF DENMARK, OF 77 VEGERSLEV ALLE, DK-2500 VALBY, DENMARK.

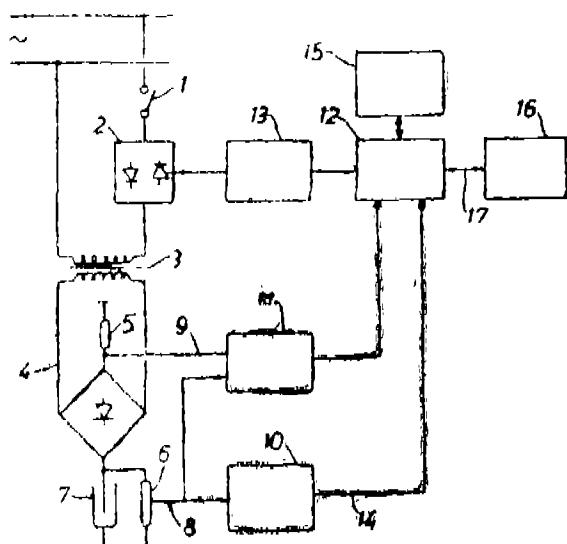
Inventor : VICTOR REYES.

Application No. 814/MAS/87 filed on 10th November, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 3 Claims

An apparatus for detecting electric discharges, such as back corona, or the like, in the precipitated dust layer on the collecting electrodes in an electrostatic precipitator for cleansing flue gases from industrial plants, the said precipitator comprising at least one precipitator section powered from a separate traditional or intermittent DC high voltage supply (1)—(4) characterised in that a control equipment (9)—(15) for adjusting the precipitator current is provided, said control equipment having a control unit (12) for a periodic upward adjustment and measurement of the high voltage supply until spark-over occurs or for blocking the current for a preselected interval (B) followed by a recovery of the precipitator voltage if no such spark-over occurs and a back corona detector (10) connected to the control unit for detection of the occurrence of back corona.



(Comp. Specn.—9 pages;

Draws.—4 sheets)

## CLAIMS UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

Claim made by GEC PLESSEY Telecommunications Ltd. Under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 170183 (17/Mas/88) in their name has been allowed.

## FOR PRINTED SPECIFICATION CHALLAN TYPING

A limited number of Printed Copies of the undenoted Specifications are available for sale from the Patent Office, Calcutta and its three Branches at Bombay, Madras and Delhi at Rs. 2/- (Rupees two only) per Copy.

85 copies each of the undenoted 39 printed specification have been retained for official use and free distributions.

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## PATENTS SEALED

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168239 168244 168361 168364 168365 168366 168367 168368  
168369 168370 168379 168383 168385 168396 168397 168398  
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Cal—10

Del—12

Mas—9

Bom—Nil

## RENEWAL FEES PAID

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## CESSATION OF PATENTS

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## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162973 granted to Maschinenfabrik Rieter AG. for an invention relating to "a winding machine for forming cylindrical packages.

The Patent ceased on the 12th Dec. 1990 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8th February 1992.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 22nd April, 1992, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165212 granted to Fuller Company for an invention relating to 'process and apparatus for Calcining gypsum'.

The Patent ceased on 29-11-90 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8th February 1992.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 22nd April, 1992, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166711 granted to Cincinnati Milacron Inc. for an invention relating to "a tool for manufacturing pipes with varying wall thickness."

The Patent ceased on the 27th Sept. 1991 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8th February 1992.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 22nd April, 1992, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166842 granted to Gould Inc. for an invention relating to "a process for producing surface treated metal foil and an apparatus thereof."

The Patent ceased on the 1-11-91 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 8th February 1992.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 22nd April, 1992, under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration of the design included in the entry.

Class 1. No. 163227. Graphic Industries Co., an Indian Partnership Firm of 22, Netaji Subhas Road, 1st flr, Calcutta-700001, WB., India. "Gas Stove". May 7, 1991.

Class 1. No. 163342. Sivanesan Company, Waikiki Complex, 289, Purssawalkam High Road, Madras-600007, T.N., India, Indian Partnership Firm. "Pressure Cooker". June 25, 1991.

Class 1. No. 163413. Eagle Flask Industries Ltd. of Eagle Estate, Talegaon-410507, Distt : Pune, Maharashtra India. "Thermos". July 16, 1991.

Class 1. No. 163546. Hi-Pack Mass Transfer Products of C-28, Ghatkopar Industrial Estate, L.B.S. Marg, Ghatkopar, Bombay-400086, Maharashtra, India, Indian Partnership Firm. "Tower Packing Ring". August 23, 1991.

Class 1. No. 163591. Chaman Lal trading as K. C. Products (India), J-899, Mangol Puri, New Delhi-110083, India. "Grater". September 11, 1991.

Class 3. No. 163379. Samarit Medizintechnik Aktiengesellschaft of Dorfplatz 4, CH-8126 Zimkon, Switzerland. "Patient Carrying Device". July 5, 1991.

Class 3. No. 163394. Intouch Plastics, Indian Partnership Firm, 20, Nand Deep Industrial Estate, Kondivita Lane, Off Andheri-Kurla, Andheri (East), Bombay-400059, Maharashtra, India. "Measuring Scale". July 10, 1991.

Class 3. No. 163449. Rollatainers Ltd., 13/6 Mathura Road, Faridabad-121003, Haryana, India, an Indian Company. "Container". July 25, 1991.

Class 3. No. 163586. Ashok Pasari of 5, Gautam Apartments, 72, Pali Hill, Bandra, Bombay-400050, Maharashtra, India, an Indian Company. "Tooth-brush". September 10, 1991.

Class 3. No. 163594. The Procter & Gamble Company of One Procter & Gamble Plaza, Cincinnati, State of Ohio, U.S.A., "Bottle". September 16, 1991.

Class 3. No. 163619. Eagle Flask Industries Ltd. of Eagle Estate, Talegaon-410507, Distt : Pune, Maharashtra, India. "Casserole". September 25, 1991.

Class 3. No. 163638. Shikha Enterprises, Indian Partnership Firm of 300/9 Amrit Puri B, New Delhi-110065, India. "Teether". October 1, 1991.

Class 3. No. 163660. Dipty Lal Judge Mal Pvt. Ltd., 19, Rajasthani Udyog Nagar, G. T. Karnal Road, Delhi-110033, India, Indian Pvt. Ltd. Co. "Tap", October 11, 1991.

Class 3. Nos. 163756 & 163757. Chinar Trust, through its trustee Nilkanth Ratnaker Dongre, C-37, Connaught Place, New Delhi-110001, India, Indian Trust. "Sewing Machine Table". November 6, 1991.

Class 3. No. 163760. Ivan Nigli trading as Bangalore Detergents & Plastic Co. of B. Narayanapura Extension, Doorvani Nagar Post, Bangalore-560016, Karnataka, India. "Bottle". November 7, 1991.

Class 3. No. 163879. MRF Limited, 826, Anna Road, Tarpore Towers, Madras-2, T.N., India. "Precured Rubber Tread". December 2, 1991.

Class 3. No. 163891. The Supreme Industries Ltd. of 17/18, Shah Industrial Estate, Veera Desai Road, Andheri (W), Bombay-400058, Maharashtra, India. "Chair". December 6, 1991.

Class 3. No. 163892. The Supreme Industries Ltd. of 17/18, Shah Industrial Estate, Veera Desai Road, Andheri (W), Bombay-400058, Maharashtra, India, "Moulded Chair". December 6, 1991.

Class 3. No. 163893. The Supreme Industries Ltd. of 17/18, Shah Industrial Estate, Veera Desai Road, Andheri (W), Bombay-400058, Maharashtra, India. "Table". December 6, 1991.

Class 3. No. 163894. The Supreme Industries Ltd. of 17/18, Shah Industrial Estate, Veera Desai Road, Andheri (W), Bombay-400058, Maharashtra, India "Chair". December 6, 1991.

Class 3. Nos. 163957 & 163958. Goodwear India (P.) Ltd., 6/29 A, Rani Ka Ghera, Belanganj, Agra-282004, U.P., India, Indian Company. "Sole for Footwear". December 27, 1991.

Class 4. No. 163552. Kenzo, French Company, 3, Place Des Victoires, 75001 Paris, France. "Container". August 26, 1991.

Class 4. No. 163707. McDowell & Co. Ltd., Indian Company of McDowell House, 3, Second Line Beach, P.O. Box 36, Madras-600001, T.N., India. "Bottle". October 25, 1991.

Class 10. Nos. 163668 to 163670. Alert India, Indian Partnership Firm of A/137 6, Group Industrial Area, Wazirpur, Delhi-110052, India. "Sole of footwear". October 15, 1991.

R. A. ACHARYA  
Controller General of Patents, Designs  
and Trade Marks

प्रबन्धक, भारत सरकार मूल्यालय, फरीदाबाद द्वारा भूक्ति  
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1992

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